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HEALTH STATISTICS

FROM THE IL. S. NATIONAL REALTH SURVEY

Attitudes Toward Co-operation

in a health examination survey

A study of factors associated with stated intentions of co-operation

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
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The U. S. National Health Survey is a continuing program under which the Public Health Service makes studies to determine the extent of illness and disability in the population of the United States and to gather related information, it is authorized by Public Law 622. 84th Coorner.

CO-OPERATION OF THE NATIONAL OPINION RESEARCH CENTER AND THE UNIVERSITY OF CHICAGO

Under legislation establishing the National Health Survey, the Public Health Service is authorized to use, innoder as possible, the services or facilities of other Federal, State, or pervase agencies, the methodological auty in this report was performed under a contractual arrangement with the National Opinion Research Center, The University of Chicago,

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PRFF A CF

BACKGROUND OF THE STUDY

This is one of a series of methodological atudies planned by the H.S. National Health Survey in the development of a special Health Examination Survey to collect morbidity data based on clinical examinations of a representative sample of the regulation. The regults of two studies have appeared in reports entitled A Study of Special Purpose Medical-History Techniques and Co-op-eration in Health Examination Surveys, 7 The particular value of a health examination

survey lies in its ability to produce reliable diagnostic data on morbidity through the use of medical personnel and objective laboratory tests and measurements. However, the development of this special survey presented a series of problems requiring solution before it could be set under way. Methodological studies were necessary since valid and tested methods did not exist for the collection of many of the needed types of health data, and since improvement and standardization of techniques were vital to the success of the program.

Results of several community studies involving health examinations indicated that one of the principal problems of conducting a nationwide health examination survey would be a potentially low rate of response, The Baltimore, Hunterdon 4 and Pittaburgh studies involving both housebold interviews and physical examinations indicated that a complex of factors involving attitudes and health experiences may combine to produce substantial nonresponses. Although the effect of the nonresponse is not known, it is a potential source of serious bias in the data produced by clinical examinations. Thus results of these earlier studies clearly

indicated a need for aystematic efforts to estimate the amount of co-operation to be expected in a national sample atudy and to investigate the more important factors associated with favorable and unfavorable response patterns,

As an initial step in the study of reasonse to be expected in a health examination survey, a supniemental question regarding willingness to be examined was added to the health interview, which is a continuing part of the National Health Survey. Analysis of the results, as reported in Series D-2 of Health Statistics from the II. S. National Health Survey provided useful information about relative degrees of co-operation to be expected by region. urban, and rural areas, and selected demographic vertebles

However, it was believed desirable to carry further the study of willingness to participate and. in particular, to investigate differences in the attitudes of persons expressing interest in being examined and of those who were apparently reluctant. The National Health Survey saked the National Onlaion Research Center (NORC) to undertake such a study. The study also offered an opportunity to investigate, for the purpose of increasing reaponse rates the relative value of varying several of the actual arrangements for the examination, such as the length of the examination, transportation arrangements, location of the examination center, and the examiners used.

The scope of the NORC project was determined by the following considerations: 1. The general objective was to investigate the attitudes, health experiences, and other fac-

tors associated with response to a request to particinate in a nationwide health examination survey. 2. NORC interviews would be conducted with persons previously interviewed in the regular sample of the Health Interview Survey. This fea-

ture of the design was desirable for two major reasons: First, a large reservoir of health data would thus be available for combined use with the attitudinal and health experience data to be gathered in the second interview, Securing extensive data in both areas in a single interview would have posed special problems of interviewer training and

^{1115.} National Benich Survey. A Study of Special Portrore Hedical-History Techniques. Health Statistics, Series D-1, PHS Publicarios No. 184-D1, Public Health Service, Washington, D. C., Isn-

pary 1960. ²U.S. National Health Survey. Co-operation in Health Exemise-105. National results Statistics. Series D-2. PHS Publication No. 584-92. Public Health Service. Washington, O.C., June 1960.

³Commission on Chronic Illness in 1953-54. Circuic Illness in a Large City. The Beltimore Study (Chemic Blocks in the United States, Vol. IV). Harvard University Press, Cambridge, Mass., 1957.

⁴Conninuion on Chronic Illneun; Chronic Illneun in a Rarel Area.
The Huntendon Study (Chronic Illneun in the United States. Vol. III), Harvard University Press, Cambridge, Mass., 1959. Chen, E., and Cobb. S.: Further Study of the Nonparticipation Peoblems in a Moshidity Survey Involving Clinical Exemination. J. Chemic Diseases 7: 321-331. April 1958.

- greatly lengthered the NORC interview, Second, aching respondents again about their willingness to participate in a health at respondent action that the provide a check of the stability of the response provide a check of the stability of their view. It was fell that the cross-classification of these responses would more nearly reflect the behavior expected with an actual examination were being offered,
- The sample was restricted to the U.S. urban coninstitutional population. The restriction to urban population was imposed because it was only in the urban areas that both NORC and National Health Survey interviewers could economically interview the same sample.
- 4. The population to be studied was to be the soult population under 65 years of age. It had already been decided to exclude children from the health examination survey, and at the time the study was done it was the intention to exclude persons 65 years of age and over.
- 5. It was not expected that this preliminary investigation would yield conclusive ensewer to the problem but rather a sarties of working bypotheses. The resulting hypotheses and methods developed were to be studied further in a series of field pretacts of the whole health cammisted no survey procedure. Also, it was not saticipated that a single method would be onesult applicable to areas of different population densities or even geographic sections of the Nation.
- 6. It was recognized that in this type of study etsted intentions of co-operation do not necessarity coincide with eventual behavior when an exam-Instion is offered, However, it seemed reasonable to suppose that these stated intentions would at least be indicative of behavior to be expected in making initial appointments for an examination. Hence, asking about willingness to participate could provide only some tentative information about how people would behave in keeping appointments, Both the National Opinion Research Center and the National Health Survey recognized that it would require more experimentation insituations where examinations were actually being offered and conducted before effective methods could be devised to counteract objections.

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For the special studies which are extrated on its temporary, but are not directly conducted by the National Health Survey, a staff member (assigned primary seprendiality for litication with the research expanization doing the study, its addition and converging the viewpoint of the Mariana Mariana Survey in decisions on study methodology, the latin son person oftics the final research report for publication in Health Statistics, Series D. For this United States of the Conference of the States of the St

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ATTITUDES TOWARD CO-OPERATION IN A

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THE RESEARCH PROBLEM

This report is a special methodological study undertaken in preparation for initiating a sheath examination curvey of a national dealing could be added to pulsation. The research was carried on the half population. The research Center (NORC) of the University of Chicago as a contract early for the U, S. National Health Survey of the Public Reach Service of the Pub

Objective of This Study

Since an unsatisfactory response rate could multify the bort planned and bent conducted sample survey, and prevent any valid generalizations of survey, and prevent any valid generalizations of recognized the problem of nonreposes as very crucial. Aware that respondent co-operation and conco-operation to horse the respondent co-operation and conco-operation without equations of the conco-operation without equations of the conco-operation without equations of the concomplex of

willingness to participate in a hesith examination. The agreement called for a special questionnaire to be developed and seininistered to a semple of household interview survey of the National Health Survey. The major objective was to obtain increased knowledge of the factors associated with response pattorns, loading to working hypotheses and methods designed to minimize problems of response in the projected survey.

Other Relevant Research Findings

An indication of the serious magnitude of the nonco-operation problem is revealed by three othor recent health examination surveys. Despite intensive persuasion efforts in these surveys, from 30 to 40 percent of the public failed to co-operate in a free health examination, Obviously such large nonparticipation rates represent a potential source of serious bias in the research findings.

nonput temperon rates represent a potential source of serious bias in the research findings, A summary of the participation rates achieved in these three local community studies is presented below.

Acceptance of medical examinations in three population surveys

three populati	on survey	8
	Medical1	y exemined
Population aurveys	Number of persons	Percent of pop- ulation ini- tially con- tacted
Hunterdon County, 1952-55 (Commission on Chronic Illnosm) (8)	846	72
Baltimore 1953-55 (Commission on Chronic Illness) (5,6)	809	63
Pittsburgh, 1953-54 (Arthritis Study, U. of Pittsburgh) (1,4)	429	61

NOTE: Numbers in parentheses refer to references listed at the

Unfortunately, none of these studies had built into their basic plans any systematic scheme for determining the reasons for co-operation or non-co-operation. However, Chen and Cobb[†] did a post-examination attitude study in the Pittsburgh arthritis survey and were able to gain some insight.

into une problem while other researchers have reported subjective impressions and some sociolog-Ical characteristics of co-operators watch provide additional clues about the factors influencing cooperation. Most of these bealth examination studles were limited to assessing the health needs of a local community or to the study of particular illnessee or conditions. The only astionwide study was one conducted by NORC2 in 1955 under sponsorship of the Health Information Foundation, it consisted of a detailed opinion study of attitudes toward health needs, doctors and doctor experiences, medical facilities, and other related health matters. While the report on this study has not yet been published, the NORC was able to utilize its major findings in formulating the hypotheses for the National Health Survey project, Some of the relevant findings of the prior health examination studies are briefly summarized below.

Hochbeum,3 in reporting on participation in a voluntary chest X-ray program, concluded that there were three sets of conditions that were most important in determining co-operation in a medical examination. The first was described as a psychological state of readiness, including belief in the possibility of oneself contracting the disease. He distinguished between real helief and mere verbal endorsement of the value of diagnostic (X-ray) detection. Real belief involves acceptance of the idea that a person can be sick without knowing it, and a feeling that one can benefit from the early detection of disease, Given the psychological state of readinees or the belief in the potential personal benefit from an examination, two other sets of conditions need to be metthe situational and the environmental, The situational influences include the person's observation of what he suspects may be symptome of disease. along with the social, medical, and campaign pressures which encourage and reinforce the individual's intention to act, The environmental factors are defined as the physical circumstances which facilitate the appointment process. These include the existence of appropriate facilities and knowledge of their whereabouts, as well as the ease and convenience with which the individual can avail himself of these facilities (time of appointment, distance to be traveled, etc.). Hechbaum concluded that these three sets of conditions cur across the usual demographic stratifications of sex, income, education, et cetera, in influencing

decisions to co-operate in health examinations. Cobb et, al' in their study of the prevalence of arthritis and rheumattern in Pittakurph found that people who do not co-operate in a clinical examination survey usually have had less experience with medical care, rate their own health higher, and less often report the presence of chronic disease. While the nonco-operators do not differ sposes.

preciably from those who do co-operate with regard to negative attitudes toward medical personnel and institutions, they more often give "prefer my own doctor" as the principal reason for refusing to perticipate.

The Baltimore study by the Commission on Chronic Illness 5, 6 indicated that there were five principal motives for co-operation:

- Conformity to a group pattern
 Fear of contracting diseases because of
- family history or specific symptoms
 3. Curlosity about the examination procedures
- 4. Hypochondrissis
- S. Special need for good health to stay on one's job
 From largely subjective reports of the Baltimore survey staff, it was also concluded that the following factors were sometimes obstacles to
- co-operation:

 1. Fear of the physical, economic, and social consequences of disease.
 - consequences of disease

 2. Religious or culties beliefs about medicine
 - Preference for one's own doctor
 Misinformation or lack of information
 - sbout the examination
 5. Lack of confidence in the effectiveness of the examination
 - 6. Inconvenience in the time or place of the examination
 - 7. Indifference to health matters 8. The cost
- Of the other studies that were reviewed fortheir application to our problem, a degree of consistency was reported on only some of the personnal and demographic characteristics of those who cooperate and those who reduce to co-operate in beath surveys, Some of the more significant observations can be summarized as follows:
 - Merried people are more likely to cooperate in health examinations than unmarried, 7, 8, 2
 - There are no differences in response on the basis of sex. 1, 4, 1
 - Middle-aged persons are most likely to cooperate 1.4.9.10 and there is least perticipation among the older population. 1.5.7.8.11
 - 4. There was some divergence in the findings shout the role of education. The better educated persons are more likely to co-operate in general health programs; the less coleated ones are the less decoperative, 2.19, 12. But participation is poorest smong those with a high school level oducation; participators more often come from the lower and upper educational groups, 2
 - There is less participation in the low income group 2, 3, 8, 9, 11 and more participation among the middle income group, 12

- Proxy-respondents (persons for whom another family member reported) more often agree to accept the examination and follow through on having it,⁵ but self-respondents give more adequate (comprehensive) reports of their health status.⁸
- 7. The fishings on the role of reported unmerhalth needs are Ellewise innoculative. Nonparticipators inflicient an ownerous of the absence of reported detroids conditions, leaves of reported detroids conditions, leaves of the desence of reported detroids conditions, leaves of their current beath, and the dipper to which they are taking good care of their beath of their current beath noted are believed to be greatest among groups, who are least to-operative in beath programs, "1.12 And the middle heads are their conditions of the desented beath of the desented bea
- most treatment for Illiness, ¹²
 8. The findings with regard to prior experiences with doctors are also inconclusive. Some evidence suggests that participators and nonparticipators cannot be differentiated on the heats of having a regular doctor, and/or having used a doctor over a given period, and/or the length of time since last bytosical examination, ^{7,10}

- Some studies have found considerable—use of nonmedical personnel for treatment of Illness, "especially among low socioeconomic estatus groups, "Low socioeconomic estatus groups siso report having a regular family doctor lens often."

 As noted before, the Pittsburgh study
- has noted before, the Pittsburgh study found that participators report more previous medical experiences than nonparticipators.
- Participation in health surveys is greater when others in the respondent's reference group (family, friends, co-workers, etc.) favor participation, 2, 3, 5, 9, 12

Many factors undestockely account for the lack of greater agreement among the findings of the various studies. As need earlier, they were decided to the studies and the classification of the against and the classification occupies and the classification occupies for respondens. There was no attempt at on-ordisation among the studies. Thus, actually, any degree of agreement have against the studies. The studies are studies are studies and the classification occupies and the classification occupies and the classification occupies and the studies. The studies are studies are studies are studied to the studies are studies are studied to the studies are studies are

STUDY DESIGN

Foctors That May Influence Decisions

After evaluation of available information from proteins research, and after intensive discussions with members of the National Health Survey staff, a very detailed list of some 70 factors were compiled for possible inclusion in the questionnaire. These factors were related to gress such as:

- identification of symptoms, knowledge of treatments and cures.
 Exposure to various sources of informa-
- tion in medical matters,
 c) Personal medical history,
- d) Importance of good health,
- Satisfaction and concern with personal health status.
 Unmet medical needs.
 Beliefin avoidability and control of illness.
- Belief in capability of present medical knowledge to disgnose or treat filness.
- Attitudes toward groups of doctors, clinics and hospitals, and government and public health authorities.
- Co-operation with public surveys.
 Public spiritedness and social responsibility.
- 1-8 General attitudes toward bealth and doctors 9-13 Belief in the possibility of becoming ill and its effects
 - coming ill and its effects 14-20 Knowledge of specific illness

 Condition for acceptance of health examination, and

From this comprehensive list of factors a

personal interview questionnaire was developed

m) Demographic characteristics.

Development and Content of the Questiannoire

and pretented in the New York City area, It soon become apparee the complete converge of all of the factors would require every jointly interview processes of the factors would require every jointly interview preference and belageary limitations made such a plan imprection, so it was decised on eliminate plan imprection, so it was decised on eliminate to plan imprection, so it was decised on eliminate of the control of the

and need to see doctor Satisfaction with medical facilities and services now as compared to 30 years

27-37 Personal experiences and attitudes toward dectors 38-39 Sources of information and in-

21-26

terest in health matters 40-46 General attitudes toward doctors, clinics, and the role of government in health

matters
Artitudes toward taking the tests and measurements phase of the survey
General information about the respondent

Two further observations about the questionnaire itself are important, as will be explained below, each respondent interviewed by NORC was first interviewed by the Census on the regular hational Health Survey. Consequently, information or recent illness, medical attention, and selected characteristics was available from the initial interviews. This arrangement greatly reduced the length of NORC's interview and avoided duplication of Census questioning.

The second observation involves the kind of questions generally asked. In designing s questionnaire, two types of questions are generally used-the open free-snawer and the closed precoded. The open question asks the respondent about a general area of interest without suggesting the possible range of alternative answers. For example, the question, "What sort of things would you ask him (your doctor) about?"does not suggest the kinds of things one might ask a doctor. Such questions are most useful in determining which are the conspicuous responses and also the range of possible answers when this is not known by the researcher in advance. The major disadvantage of open questions is the uncertainty whether failure to mention an answer apontaneously represents chance forgetfulness or actual disagreement with the answer category. In order to determine the full extent of agreement or disagreement with a given question, a precoded question is usually most effective. This type of question clearly states each possible alternative and directly asks therespondent to select the one answer most closely reflecting his views. For example, the first question, "Would you say your own health, in general, is excellent, good, fair, or poor?" clearly poses the range of permissible responses. Fortunately, from the analysis of other NORC health studies and other reports, much was learned about the kinds of alternative answers that might be expected to different questions. This permitted the extensive use of precoded questions in the questionnaire, which not only asved interviewing time, since open questions are more time-consuming, but also provided more complete statistical data for the analysis.

In order to minimize any respondent hise in reported attitudes toward health, health needs. doctors, et cetera, explicit instructions were given to each interviewer regarding the kind of introduction to use. Each respondent upon completion of the original Census interview was given a letter from the Surgeon General thanking him for his co-operation and advising him that he might be called upon in the future to co-operate again in some additional health studies. When the NORC interviewer subsequently called on the reapondent, he was instructed to introduce himself as an NORC representative, show his identification card, if necessary, and hand the respondent another official letter from the Surgeon General. This letter stated that NORC was "doing a greetal study for the Public Health Service-es pertof the U. S. National Health Survey, you-or some member of your household-were interviewed not long ago about your health experience. We are now following up to get some different informationthis time, your opinions on certain health matters," The interviewer was further told to avoid specific description of the kinds of questions involved, and particularly, to avoid mention of the health examination, Reports from interviewers indicate that the suggested approach was effective in practically all instances and that the sequence of questions was begun without further lengthy discussion.

Scope of Work and Sample Design

Since the National Health Survey covers all civilian, nesinstitutionalized persons in the United States, it would have been desirabile to have the study concorn itself with co-operation from all segments of the population. However, several factors and decisions combined to limit the scope of the ethick and its sample design.

For practical reasons, primarily due to the size and composition of the examination team needed, the population to be examined initially was defined as the working-sge population, 18 to 65 years of age.

A major consideration in the study design was the need for selequate beath date on the sample of persons from whom the extensive data on frecions influencing co-operation were to be collected. However, previous experience indicated that each of the two sets of data needed would require relatingly linearly which if combined in a final property in the combined of th

Still another problem of the study design was whether one could accept the stated intention of co-operation given in response to a request to come for an examination as a reliable indication of co-operation without administering an actual examination

With these factors is mind, the study was de-

signed with the following features: 1. The attitude coestioonaire was to be administered to a sample of persons who had

responded to the regular health household interview of the National Health Survey. 2. The nonulation to be studied would be restricted to the civilian pocinstitutionalized population of the Heited States from

18 to 65 years of ane.

3. To provide a somewhat realistic simulation of a behavioral test of intention to cooperate the respondents would be saked both on an fairial health interview and the attitudinal interview whether they would be willing to come for a health examination.

4. To pretest the proposed method of securing examinees for the health examination survey the request to co-operate would be included initially in the context of the regu-

lar health interview survey.

While these features of the study design offered some real advantages, they also involved certain limitations. The most important among these were the lack of a probability sample and the consequent limitation in producing national estimates. While it would have been desirable to select a probability sample of adults in the entire United States, it was decided, however, that this exploratory study would not attempt to establish precise national levels of response but would merely serve to identify the more important factors which appear to be influencing co-operation and nonco-operation. Further research would be needed to establish the relative numerical significance of each factor.

For reasons of economy it was decided to carry on the interviewing in those sample areas which were common to the National Health Survey and the National Opinios Research Center's prea probability samples. These areas in which the two samples overlapped were mainly urban areas. Since earlier research jedicated that the problem of co-operation in rural areas was likely to be eignificantly different from the problems is urban areas and since there were few cases available for interviewing in rural areas, it was decided to eliminate all rural areas from this initial study.

After the "overlap areas" were identified, it became apparent that there was 100 percent overlap in the large metropolitan areas, a good over-Jap in the small metropolitan areas, but only a fair coverage of small urban places. To establish some balance in the sample by size of urban area and geographical region, a quota was assigned to each region-size class, which was proportionate to its true size in the U.S. urban population. Since each weekly sample of the National Health Survey is a representative cross-section in itself, it was decided to base the NORC sample in general on units of an entire week's assignment in overlan areas. Since overlan was best in large metropolitan areas, only 3-4 weeks of Census assignments were required to fill the quots for these areas, in the small metropolitan and small urban areas, almost 8 weeks of assignments were used. In fact, it was not possible to get the desirable number of cases in the small urban places due to the sporty overlan-

The Census completed its initial interview during February and March 1958: NORC relaterviewed its sample approximately one month after the Census Interview, From the completed Census questionnaires NORC was given the name, address, and sex of each adult between the ores of 18-65 years. In order to obtain equal numbers of men and women in the NORC sample, and in order to minimize the social influences of any family member on the answers of another, it was decided to select only one soult from eachhousehold alternating the sex of the person selected. Consequently, a man was selected from the first household, a woman from the second, et cetera, Where more than one adult male or female reaided at a house it was possible in a limited number of cases, for the interviewer to have more than one eligible respondent. In such cases, the names of all eligible persons were listed on the face sheet of the questionogive and the interviewer chose one of the eligible persons. In no case was a proxy interview permitted.

Because of the nature of the sample and the fact that this was an exploratory study in which there was a search for factors with differential impact and degree of significance, the usual rests of alguifleance were not appropriate and therefore are not presented in this report. In some instances formal tests of significance were applied to provide some guide as to whether the differences might be accounted for by sampling variation if the sample had been a probability design. However, these results have been considered only as additional, not conclusive, evidence of possible significance. The main guide as to which factors appeared most promising was a product of (i) ranking as to how different they were and (2) the plausibility of associated hypotheses.

It should be noted despite these necessary qualifications, that special tabulations prepared by the National Health Survey indicate that the estimates presented in this report are reasonably representative of the U. S. urban population. Appendix 1 presents data on comparison of this study with the National Health Survey's special

tabulations.

Response Characteristics of the Sample

In all, 385 interviews were assigned between March 17-April 15, 1958 and 762 were completed and 18 per second to the condition of the conditio

For the 72 persons" anelgand to NORC but not interviewed, a great deal of information was validable from the Censue interview (table 19). An analysis of time Censue interview (table 19). An analysis of time Censue interview in

"The number indicated in table A is 73, but our person was over 65 and incorrectly analyzed.

Table A. Comparison of assigned and completed interviews with the ideal national sample

U. S. urban and urbanized areas	Propor- tiens*		pleted erviews	Inter	Percent	
W CONTREE BIGHS	national sample	Number	Ares dis- tribution	Number	Percent	pleted
U. S. Utban						
Total	100.0	762	100.0	835	100.0	91.3
East	31.7 28.4 24.8 15.1	237 231 156 138	31.1 30.3 20.5 18.1	261 253 165 156	31.3 30.3 19.8 18.7	90.8 91.3 94.5 88.5
Urbsnized areas						
Large metropolitan (ever 1,000,000)	42.5	386	50.6	434	52.0	88.9
1,000,000)	32.3 25.2	277 99	36.4 13.0	299 102	35.8 12.2	92.6 97.1

Proportionate to its accoul size in the U.S. population.

Table 8. Type of NORC nonrespondents and reported intention to co-operate in the health exemination

	Tet	al	Answer to Census					
Type of nonrespondent	Number	Percent	Ye	8	No			
			Number	Percent	Number	Percent		
Total	. 72	100	39	54	33	46		
No NORC contact	41 31	100 100	28 11	68 35	13 20	32 65		

This discounies of sesponse is limited to the number of boardbolds completed by the fluence of the George and subsequently assigned to MOGC. There was no additional loss of appreximantly 5 present of the households in the original George ample for which no evaluation of bins in countiles in the followise analysis.

Table C. Percent distribution of NORC respondents and nonrespondents by selected characteristics

Characteristic	Respond- ents	Nonre- spondents	Characteristic	Respond- ents	Nonre- spondents
Number of cases-	762	72			
			Merital status	100	100
Fsmily relationship-	100	100	Married	77	71
Head	59	58	Widowed	6	10
Wife	32	31	Divorced	4	5
Child (18 years	J.		Separated	4	4
old or over)	5	9	Never married	9	10
Other	4	2	Income	100	100
Race	100	100	Under \$3,000	19	23
			\$3,000-4,999	27	32
White	86	83 14	85,000-6,999	27	23
Negro	14	14	\$7,000+	27	22
Ocner	-	3	1		
Sev	100	100	Last visit to doc-		
			tor	100	100
Male	50	44	Less than 6 months		
Female	50	56	820	58	52
Agg	100	100	6 months, less		
- 0-	100	100	than 2 years	21	1.7
Under 25 years	10	6	2-5 years	11	15
25-34 years	22	22	5+ years	8	14
35-44 years	26	29	Don't know	2	2
45-54 years	21 21	1.2 31	Last dental visit	100	100
55-65 years	21	31		100	100
Education	100	100	Less than 6 months		
			ago	34	22
Grade school	26 51	30 55	6 months, less than 2 years	25	26
High school College	23	16	2-5 years	22	18
College	23	10	5 years +	16	. 31
Employment status	100	100	Don't know	3	3
Working	63	63			l
Looking for work	1	"-	NHS Supplement	100	1.00
Keeping house	31	29	Self-respondent	62	62
School	2	1	Proxy-respondent	38	38
Other	3	7			

In comparing other selected characteristics of the 72 nonrespondents with the 702 NORC respondents, no other important differences were found (table C). It should be noted, however, that the tendency was for nonrespondents more often to be women, somewhat older presons, and those with the selection of the control of the selection. These characteristics are control of the control of the selection of th

As shown in the summary table on response (table D), about 71 percent of all Census respondemis indicated willingness to co-operate, if a full 71 percent of the 31 refusals bedindleared a will-ingness to come for the examination, the number of "yee" answers would have been 22, Sinconjy 11 accurally acid "yee," the Mast ottals 11 answersor only 1.3 percent of the 853 sasignments, On this banks, it can be concluded that the NING semple contains little blus reparriing willingness to co-operated in the health examination.

SUMMARY OF FINDINGS

Over-all Indications of

Willingness to Co-operate

According to the plans, the National Health Survey was to have the regular Consus interviewer introduce the health examination phase of the survey at the end of the bousehold interview and arrange on appointment with all persons who were willing to co-operate, in order to pretest this procedure resiletically and also to provide information on the national patterns of co-operativeness from a full U. S. probability eample, a special supplementary question was added to the entire U. S. household survey for the months of Februsry and March 1958, This question was as follows: "As part of the Health Survey, the Public Health Service will provide a free health examination to some of the people we are interviewing. As you would expect, we cannot learn all we need to know about health just by asking questions-for some things we need actual measurements and tests. The examination will involve only one visit to a nearby place. If you are selected for this special free examination and the time and place are convenient, will you be willing to come? How about (each related adult), do you think he will be willing to come?"

Special aspects of this question should be clearly stated, First, the health exemination was placed in the context of a supplement to the Health Survey, Second, it was free and required one visit only to a nearby place. Third, the respondent was asked to assume that the time and place were convenient, Fourth, some respondents were asked to answer for themselves, while others were asked to give proxy saswers for other related adults who were not home at the time of the interview. With these specific conditions in mind, the answers could be considered a first-line indication of intent to co-operate in a Public Health Service aponsored health examination, it should not be confused with actual participation rates, however, since some persons who said they intended to co-operate would fail to do so because they either changed their minds or for other reasons found it difficult to keep an appointment,

At the very end of the NORC interview, after all the general attitudes about health and doctors had been recorded, the respondent was again asked about his belief in the co-operativeness of most people he know and about his own willingness to accept a health exemination. Question 47 first introduces the question of health examinations and sake about other people, while Question 48 concerns personal co-operativeness. The actual questions were as follows:

- Q. 47. As your spectrous were as follows:

 Output to the property of the prope
- Q. 48. If you yourself are asked to come for the tests and measurements part of the survey, will you certainly come, probably come, or probably not come? Why to the?

The interviewers were told not to try to persuade the respondent in any way, but to provide limited factual information about the examination in answer to specific questions.

A combination of answers to the fixetoffer of the health oxamination by Consus and the econd offer by NORC provides a measure of the stability of intention to co-operate. Table D aummarizes these patterns of co-operation obtained from the results of two requests to participate in a hypothetical health examination survey.

As can be seen from the top line of sable 0, because of same of sable 1, and of sable 0, and of sable 1, and o

The degree of attability of easted intention is also unusually high. Three our ofvery four persons maintained their original enswer, 64 percent continuing to asy "Yeo," and II percent saying "Noo" or "Don't know." About 14 percent addred from "Noo" or "Don't know." or "Yeo," and other high their many 7, percent, cheeged from "Yeo" or "Noo" it is Impossible to easte the firmness of insent of the remaining 4 percent who were not saked by Census for their views. That TV percent of the Yeo.

An earlier report Co-specifice in Heelth Exercisative Sarroys 12 presented the estimates on co-specific based on asseers to this supplementary quanties. For a partitionary report on the finalize of this study see Institution Transfer United States

Table D. Expressed intent to Census and NORC interviewers on accepting a health examination

		Answers to Census interview									
Expressed intent	т	otal	,	Yes		No		Don't know		asked	
	Num- ber	Per- cent	Num- ber	Per- cent	Num- ber	Per- cent	Num- ber	Per-	Num- ber	Per- cent	
Tots1	762	100.0	539	70.7	171	22.5	24	3.1	28	3.7	
Answers to NORC						İ					
Total yes	614	80.6	486	63.8	92	12.1	16	2.1	20	2.6	
Certainly yes Probably yes	301 313	39.5 41.1	249 237	32.7 31.1	36 56	4.7 7.4	10 6	1.3	6 14	0.8	
Total no or don't know	148	19.4	53	6.9	79	10.4	8	1.0	8	1.1	
Probably no Don't know	134 14	17.6 1.8	46 7	6.0	73 6	9.6 0.8	7	0.9	8	1.1	

later group and "Yes" to NOIC, however, insticutes that their original attitudes could not be too cause that their original attitudes could not be too cause the state of their original among the initial "Yes" or "No" Cennus categories among the initial "Yes" or "No" Cennus categories among the initial "Yes" or "No" Cennus categories among the conduct of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of the state of the sequent contact of the state of As indicated earlier, a statement of intention to co-operate is different from actually following through and coming to an examination, indication of the relationship between intention or making an appointment and actually being examined must be based on actual field tests where the examinations are offered

Profiles of Groups Differing in Willingness to Co-operate

Eleven sets of attitudes, health experiences, and personal variables were utilized in this inquiry to differentiate the various patterns of re-

Answer to Census	Answer to NORC	Number of respondents
Total		762
Yes	Certainly yes Probably yes No or don't know Yes No or don't know	249 237 53 92 79
(Don't know or not asked)	-	52

800nge to a request to participate in a health

examination survey. These factors were-I. Appraisal of own health status

2. Feelings of unmet health needs 3. Interest and concern about health matters

4. Importance of good health and impact of illness on living activities 5. Satisfaction with current health research

6. Belief is avoidability and cure of illness 7. Reported conditions, doctor visits and

physical exeminations 8. Confidence in doctor's skill and helief to

his concern with patient's welfare 9. Attitudes toward clinics and the role of government in health matters

10. Selected situational and environmental fac-

tors in the arrangements for a health examination 11. Demographic variables such as age, educa-

tion, and income Response groups used for analysis in this study were defined by the cross-classification of answers given on the original Census question on co-operation and the follow-up inquiry of the NORC study. There were two consistent co-operation groups, two vacillating groups, and one consistent nonco-operation group of respondents, Groups one and two both answered "Yes" to the Census and "Yes" to the NORC, However, NORC divided the co-operators into those who said they would certainly come and those who would probably come. Thus group one consists of those who said they would certainly come and group two designates those who would probably come, Group three includes those who initially said "Yes" to the Census interview but changed to a negative response on the second request. Group four, the second vacillating group, were those who changed from a negative reply to the Census Interview to a positive reply on the NORC interview. And finally, group five contains the consistently negative re-

spondents in both interview situations, The differences in these sets of variables used to characterize the response groups are presented below as a series of composite profiles for each group. Although some of the attitude differences among these groups are small and perhaps not significant by themselves, the fact that so many of them fall in the same pattern bolsters confidence that a larger sample would produce more significant findings.

Group I-Yes-Yes-Certsinly Group

The most consistent and certain co-operating group represented all persons who said "Yes" to the Census interview and "Certainly yes" to NORC. Approximately 40 percent of all respondents were in this esteepry and an outstanding characteristic of the group was the greater recognition of unmer medical needs and desire for medical attention. They less often described their present health as "excellent" and more often said it was "poor " Accordingly they generally mentioned having more chronic illness, and more often liked to talk to their doctor about their health. They also evinced greater concern about general health matters by more often thinking about, talking about, and reading and listening to health programs on radio and television.

With regard to current research on causes and cures of discose, they were less satisfied with the amount of effort currently being made and felt more should be done. When questioned about household surveys, such as this study, they usually felt It was "very important" for people to co-operate, More often, they reported the need for "especially good health to do their work well," and in anpraising the economic and social impact of an illness on themselves and their family more often stated the effects would be more serious, Although more of them usually conceded the possibility of becoming seriously ill, they also had greater confidence in early diagnosis and the skill and concern of doctors in making them well, They reported more personal experiences with care at clinics and more often felt that the government should have a larger role in mainteining the health of the Nation, Sex, marital status, and recency of latest doctor visit were equal among all "co-operation" groups, but a higher proportion of younger, nonwhite persons, and veterans turned out to be more consistent co-operators. Contrary to other research findings this study also found greater cooperation from the less educated, poorer, and self-respondents. Since people with lower incomes have actually been found to have greater unmet health needs, their report of greater willingness to co-operate is consistent with their own appraisal of greater personal benefits to be derived from the health examination. Other studies found, in contradiction, less co-operation among the lower socioeconomic status groups.

Group 2-Yes-Yes-Probably Group

The group answering "Yes" to Census, but only "Probably yea" to NORC, generally scored somewhat below the "Certainly yes" group in its basic health sttitudes but above the negative and vaciliating groups. There was no appreclable difference between the two co-operating groups regarding satisfaction with medical research efforts, belief in early diagnosis, or confidence in doctor skills, but there were consistent tendencies for lesser feelings on other basic attitudes. The "Probably yes" generally regarded their present

health as better, reported fewer chronic conditions, and less often desired to see a doctor about their health, They also showed somewhat less concern and interest in health matters and less often recognized the potential threat of serious illness. They less often reported the need for especially good health and when 111 reported lean serious consequences. The group was also more often critical of the bedside menner end personal treatment of doctors and less often reported experiences with clinics. With regard to their feelings about the role of government they were more positive than the negative or vacillating groups but approved less government action than the "Certainly year group. They also were more often younger, better educated, white, and had higher incomes than the "Certainly yes" group. It should be repeated that despite these modest differences this group was more like the "Certainly yes" respondents than the nonco-operators.

A clear indication of their loss cortain feel-ings about co-persting was shown by their be-life that fewer other people would probably cooperate on the health examination. They more often reported having questions in their minds about the kinds of teniston be included in the examination and wondered why they were selected for the ample. Finally, they indicated more responsible to the commission by their own dector, the local medical section, or their own dector, the local medical section, or

Group 3-Yes-No Group

The vacillating "Yes-No" response class is of particular interest because other indications seem to imply that success in gaining co-operation really depends on getting an initial "Yea" to the request for examination. There were 53 persons who shifted from "Yes" to "No." Their sttitudes as revealed by our questions tended to represent viewpoints at the extremes. They reported lose chronic illness then the consistent nonco-operators and seldom desired to talk to a doctor about their health. With regard to astisfaction with current research efforts, they were more like the co-operators and felt more could be done, but, as far as this study was concerned, few of them felt it was important to co-operate in such studies. They felt less need for especially good health to do their work well and reported the least impact when illness struck. Their interest and concern shout health metters was the lowest, although their educational background was the highest, They were least likely to feel that the way people lived made a difference in how healthy they were and they more often recommended self-disgnostic for illness. Generally, they had less confidence in doctors' shillitles to cure diseases and were least

satisfied with doctoral concern and manner inpatient care. It was interesting to note that the critical attitudes toward doctors were not based on reported experiences but on the result of impressions of doctors in general. This "Yea-No" group also feld that the role of governments group also feld that the role of governments about be restricted. Moreover, year that the property of the respective of the respective levels and the restricted.

Only 21 percent of the "Yes-No" group feit others would co-operate, and when asked why they themselves probably would not come for the examinstion, they gave such evasive reasons as "I'm too busy." and "it depends on when and where they are given." Other reasons indicated a feeling that they personally felt little need for the examination. that their perticipation was not essential to the success of the survey, and that they preferred their own doctors for examination, They revealed little awareness of what might be included in the examination, and expressed few specific objections to the procedures they anticipated. Like the "No-No" group, they indicated potential persuasion by their own doctor or spouse and that the least time-consuming examination procedures would be most acceptable to them.

Group 4-No-Yes Group

The shift from 'No" to "Yea" is believed to be partially an artifact of the Census interviewing procedures. NORC always interviewed the goronic person directly, but Consus, in accordance with the standard practice of the National Health Survey, accepted proxy responses from members of the family. Proxy respondents proved to be more cautious in saying "Yea" for others than those who responded for themselves. The 'No-Yes" group was the group with the highest concentration of proxy respondents. While other groups had about one-third proxy respondents, the "No-Yes" group had 54 percent proxies. A separate analysis of these proxy respondents revealed that they considered themselves to be in very good health, and believed in regular doctor visits. Less than half of these proxy persons reported that they had seen a doctor in the past year in comparison with the average of almost two thirds for all other respondents. It is reasonable to assume, therefore, that the offer of an examination came at the appropriate time to induce a "Yes" response to NORC, it is also reasonable to assume that if they had been asked directly by Census in the initial interview, they would probably have said "Yes" at that time, and would not have been included in the vaciliator group.

With respect to basic attitudes the whole "No-Yes" group more nearly resembles the consistent co-operators. They reported less chronic illness

and better current health, but more often felt the need for additional doctor consultation than the nonco-operators. They were least satisfied with current medical research and almost all of them felt co-operation on this study was important. There was high interest and concern about health matters and when illness strikes, the impact was almost as serious as that reported by the constatent co-operators. The "No-Yes" group felt less threatened by the possibility of becoming seriously ill, but they strongly believed that the way you live is important to your health and more often believed in regular medical checkups. They were most satisfied and confident in their own doctor's skill and manner but were somewhat critical of doctors in general. As a group, they had had little experience with clinics and more often felt that doctors engaged in group practice were not as good as private doctors. Because so many were proxy respondents, it was understandable that they were mostly men who were at work when the Census interviewer called. It is also interesting to note that there were more nonveterans in this

A clear their own co-operative intentions at shown by their bleff in three out of the create that other persons would probably co-operate on that other persons would probably co-operate on the clear person and their persons would probably co-operate on the clear person and their persons about the clear person and personal benefit from the assessment, "Over three forough and why they were the taked of testes to be given seed why they were the taked of testes to be given and why they were the taked of testes to be given and why they were the taked of testes to be given and why they were the taked of testes to be given and why they were the taked of testes to be given and why they were all the contract the contract of the taked was personal distinct of the middle given of them had only special distincts of personal conduction or proposentify infiniteece.

Group 5-No-No Group

The consistent nonco-operators, i.e., the group saying 'No" to both Census and NORC was largely composed of persons who expressed contrary views to the co-operating groups, More of them were well satisfied with the state of their current health, reported fewer chronic illness conditions, expressed satisfaction with current research efforts, and considered it less important to assist studies such as this by co-operating in the study. Fewer of them also expressed any desire to see a doctor and fewer considered "especially good health" as essential to their work, Likewise, they more often felt that their own illness would not be a heavy financial problem or barden to their families. The consistent noncooperators as a class were also less interested in

health matters in their reading, listening to the radio, and watching inelviation, and fewer of them considered it likely that they would encounter it. In the group was more complexes and ever of them claimed they would constit a obscur immediately, adding to care littless, even though they agreed with the co-operators that doctors now know more, adding to care littless, even though they agreed with the co-operators that doctors now know more, the constitution of school for curricted and, as a whole, were older, the higher family incomes, and more often were

A good reflection of their negative stritudes was also afforded by the projective question about their belief in the co-operativeness of other people, in which less than 40 percent felt others would come for the examination. When asked why they themselves would not come, they indicated their belief that they would not gain any personal benefits from the examination, and that they had other medical facilities readily available when needed. They reported little knowledge of the tests and that they had few objections to any specific procedures, but showed some general hostility to free clinics. The approval of the examination by their own doctor or spouse was reported as a possible influence on their decision, and a procodure requiring the least time and effort was also stated to have the best chance of overcoming their reluctance to co-operate,

Conclusions

A study of a national sample of the sdult ursen population sidicates that the following types of popular errors will be a supported in a free health examination: the nomination of the national middle-aged, veterans, and lower becomes a studied and the studied of the studied in the selves to co-operate in a health examination than to commit other members of their family.

Four basic sets of attitudes and beliefs were demonstrated to be even more closely related to examination behavior than personal characteristics, These were:

- Underlying attitudes and beliefs on health,
 Beliefs as to the potential personal benefits to be derived from the health examina-
- tion.
 3. Beliefs as to the importance of furthering medical research.
- Beliefs as to the reasonableness and appropriateness of the examination procedures and arrangements.

Each of these attitudes and beliefs is described briefly below: 1. Underlying Attitudes and Beliefs on Health

Underlying the degree of receptivity to a free medical examination are five general health attitudes and beliefs. Co-operators more often reported agreement with these attitudes and beliefs, while nonco-operators generally reported contrary beliefs.

 a. The importance of good personal health na an objective in life.—Co-operators

an an objective in the -co-operators more often believed that capetally good health was essential to do one's work well, and, therefore, strived to maintain good health, Likewise, Illness more often presented them with serious social and economic problems.

- b. Interest and concern in health matters— Co-operature more often believed that the way one lives has a direct influence on one's health. They were also more interested in discussing, reading, and listening to educational health pro-
- grams,

 c. Bellef of personal susceptibility to illness,—Co-operators more often admitted the likelihood that they would be sick in bed during the pext year and granted the possibility that they could become seriously ill the next few
- d, Bellef of the need for professional diagposis and care of librase, "Co-operators showed less confidence in selfdisposis and more often felt they could become aick without being immediately saver of it. They also more often felt that they should see a doctor right sway for professional diagnostis and treatment upon appearance of a symatom.
- Belief in the shillty of modern medicine to cure or help illness,—Co-operators more often believed that doctors have the know-how and facilities to cure or help relieve illness and disease.
- Bellefs as to the Potential Personal Benefits to be Derived From the Health Examination Co-operators usually stated that they expected to benefit directly from the results of the
- examination, Underlying this strong personal motivation were the following three beliefs: a, Dissatisfaction with personal efforts to care for health,—Co-operators more
 - often felt that they could do more to take better care of their health. b. Recognition of ecome personally unmet health needs which are susceptible to medical care.—Co-operators more often reported a desire to talk to their

doctors about their health, and more often admitted having felt the need to see a doctor without actually doing so for a variety of reasons.

c. Confidence in the skill and personal approach of their own doctor and destorate generally, "Based on their personal or step and on what they have heard or read, no-operators generally went or read, no-operators generally went in doctors generally, Mono-operators reported more criticisms of doctors reported more criticisms of doctors and more often indicated a distruse of strange doctors by limiting their will. the case where their own doctor gives

Beliefe as to the Importance of Furthering Medical Research

The most frequent reason given for agreeing to co-operate on the health examination was a desire to help the government in its research efforts. Underlying this motive were the following three different attitudes and beliefs:

- a. Recognition of the need for additional medical research efforts. —Co-operators were least satisfied with current efforts at finding causes and cures of disease. In addition, most people believed that research efforts would eventually succeed in discovering new cures for disease.
- b. Recognition of the responsibility of government in maintaining the Nation's health,—Co-operators more often approved of government taking an active role in health research and in pro-
- grams to promote the Nation's seath,
 c. Recognition of personal responsibility
 in assisting, medical research programs,—Co-operators more often felt
 from sery important for tem personally to co-operate in health research
 programs, Nonco-operators more often
 questioned whether their co-operation
 was essential to the success of the pro-
- gram,
 4. Beliefs as to the Reasonableness and Appropriateness of the Examination Procedures and

Arrangements
This is the last of the major conclusions and involves the convenience and approval of the

arrangements for the examination.

a. Items of convenience.—These include such considerations as: (1) Travel time, (2) duration of examination, (3) time of appointment, (4) place of examination, (5) mode of transportation pro-

vided, (6) type of doctors giving examination, and (7) kind of tests and procedures used. The co-operator must believe the above items are reasonable and he also must be ablot off them into his other obligations. As expected, arrangements which make the losst demands upon a person are likely to produce the createst co-operators.

b. Desire to behave in a socially approved

manner,—Co-operators more often indicated that approval of the health examlation by their spouse, friends, doctors, or other prestige groups influenced their decisions to participate in the examination, Nonco-operators were more indifferent to the approval of the examination by their peer and prestige groups.

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DETAILED TABLES

Tabular data classified by the five major co-operation groups are presented for each of the questionaire items. The order of grouping the tables does not follow the order in which the questions were asked, However, the number in parentheese after each topic inthe tables refers to the position and context of the frems on the questionnaire presented in Amendix III.

It should be noted that the totals for the five co-operation groups do not add to the total for all persons,

Toble.

The total comains 16 persons who asswered "zo" and 36 who intowered "yea" to the NORC interviseeze, but were not asked the supplemental question or answered "don't know" to the original interviewers, Asswerse for these persons, while not shown expertacily, may be derived by subtracting the subtomis for five on-operation groups from the over-noll totals.

1.	Selected indices of appraisal of the health status by co-operation groups, NORC,	
	1958	1
	A. Self rating of own health	1
	B. Number of chronic conditions	1
	C. Symptoms reported during past year or so	ï
2.	Indices of unmet health needs by co-operation groups, NORC, 1958	1
	A. Type of health care by most people	î
	B. Type of health care by respondent	î
	5. Type or meater care by respondent	
	C. Like to consult own dector free of charge	1
	D. Did you feel need to see doctor in last year but didn't?	1
	E. Did others suggest you see doctor but you didn't?	1
	F. Argue with family members about seeing doctor?	1
3.	Interest and concern about the health by co-operation groups, NGRC, 1958	1
	A. Do you think about own health?	ī
	B. Do you talk about own heelth?	ī
	C. Extent of reading about health matters	î
	D. Extent of listening to radio or television health grograms	i
	D. Extent of listening to radio of tolevision desith programs	
٠.	Deportance of kind of health on living activities by co-operation groups, NORC,	
	1938	2
	A. Kind of health required by own work	2
	B. Difficulty in payment of large medical bill	2
	C. Loss of income if sick	2
	D. Impact of illness on job (other them income loss)	2
	E. Impact of illness on family	2
5.	Satisfaction with current research on health matters by co-operation groups.	
	NDQC, 1958	2
	A. Satisfaction with research on causes of disease	2
	B. Satisfaction with research on cures of disease	2
	C. Importance of co-operation on health opinion research	2
6.	Attitudes on the recognition, svoidebility, and cure of illness by co-operation	
	groups, NORC, 1958	2
	A. Knowledge of symptoms of policeyalitis, tuberculosis, and dishetes	2
	8. Persons who feel immediate recognition possible for specific illnesses	2
	C. Effects of way you live on health	2
	D. Time likely to be sick in bed next year	2
	E. Likelihood of setting tuberculosis, heart disease or arthritis in 5-10	^
	E. Likelihood of getting tuberculosis, heart disease, or arthritis in 5-10 years	2
	F. Chance of healthier life today compared with 30 years ago	2
	G. Doctors know more today than 30 years ago?	2
	H. Are today's pedicines better than 30 years seq!	2
		2
	I. Belief in doctors' ability to cure or help selected illnesses	2
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13. Index of health status by co-operation groups, NORC, 1958-----

37

Table 1. Selected indices of appraisal of the health status by co-operation groups, NORC, 1958

			-	-	dentile .	
		Cen	sus: Ye	8	Cens	us: No
Indices of health status	All		NORC:		1	ORC:
	persons	Cer- tainly	Prob- ably	No+DK	Yes	No-DK
Number of respondents	762	249	237	53	92	7
		Perce	nt dist	ribetio	n	
A, Self rating of own health: (1)	100	100	100	100	100	10
Excellent	31 45 20 4	28 42 21 9	29 49 20 2	40 41 17 2	33 52 15	3
3. Number of chronic conditions: (19)	100	100	100	100	100	10
Mone	46 28 26	39 26 35	45 30 25	53 30 17	62 23 15	4 3 2
G. Symptoms reported during past year or so: (19)	*		*		*	
Coupting for 5 or 6 days Distribute or conscilention for several days Pressure besideshes Lamp or dissolved packets on skin- sort threat Sort	23 17 26 17 7 12 40 4 2 9	26 16 27 21 8 14 39 5 2 12 17	25 18 26 16 6 11 40 3 2 10 9	26 19 19 13 6 9 43 2 2 4	18 17 25 15 5 6 40 5 2 6 4	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Number of symptoms: (19)	100	100	100	100	100	10
None	25 30 21 18 6	20 31 23 18 8	26 29 22 17 6	32 24 21 15 8	26 37 16 19 2	3 2 1 2

^{*}Percentages not additive-represents percent reporting each type of symptom.

Table 2. Indices of unmet health needs by co-operation groups, NORC, 1958

	-		-		y steeme	-	
		Cer	Census: Yos			tus: No	
Indices of unnet health needs	All persons			NORG:		NORC:	
	PERSONS	Cer- tainly	Prob- ably	No-DK	Yes	No-DK	
Number of respondents	762	249	237	53	92	75	
		Perce	nt dist	ributio	m		
A. Type of health care by most people: (2)	100	100	100	100	100	100	
Take best care	23 74 3	19 78 3	22 76 2	36 58 6	23 74 3	32 35	
B. Type of health care by respondent: (3)	100	100	100	100	100	100	
Take best care	46 53 1	49 51 -	43 56 1	43 55 2	46 53 1	56 40 4	
C. Like to consult own doctor free of charge: (5)	100	100	100	100	100	100	
Desire to talk- No desire to talk- Don't know-	40 59 1	53 47	43 56 1	28 72	32 67 1	16 83 1	
Did you feel need to see doctor in last year but didn't? (?)	100	100	100	100	100	100	
Yes	25 75	32 68	28 72	13 87	22 78	11 89	
Did others suggest you see doctor but you didn'tî (30)	100	100	100	100	100	100	
YesNo	20 80	20 80	23 77	17 83	20 80	9 91	
. Argue with family members about seeing doctor? (31)	100	100	100	100	100	100	
No faetly Nove argue Argue shout doctor: Argue shout doctor: Spoose wants are to go children want me to go children want me to go ther valitives want are to go 1 want children to go 1 want children to go 1 want children to go 1 want control want want of go	5 65 30 7 1 1 18 3	6 63 31 4 1 1 16 3	5 63 32 8 1 2 18 4	10 67 23 10 2 13	1 65 34 5 1 - 24 3	8 73 19 4 - 1 15	

⁵Types of seguments said to more than total because more than one segument may be reported by such possess.

Table 3. Interest and concern about the health by co-operation groups, MORC, 1958

		Cen	sus: Ye	s	Cens	us: No
Interest and concern	A11		NORC:		N	ORC:
	persons	Cer- tainly	Prob- ably	No-DK	Yes	No-DK
Number of respondents	762	249	237	53	92	79
		Perc	ent dis	cributi	on.	
A. Do you think about own health: (6)	100	100	100	100	100	100
Pairly often	40 36 24	49 33 18	41 36 23	26 40 34	36 39 25	25 34 41
B. Do you talk about own health: (6)	100	100	190	100	100	100
Fairly often	15 32 53	19 31 50	13 36 51	11 32 57	16 30 54	9 25 66
C. Extent of reading about health matters: (38)	100	100	100	100	100	100
Often	33 43 24	34 41 25	30 49 21	40 23 37	34 48 18	30 42 28
Why? (if herdly ever) Don't reed papers, etc	13 11	15 10	11 10	19 18	, 11	18 10
D. Extent of listening to radio or television health programs: (39)	100	100	100	100	100	100
Often	23 43 34	29 44 27	18 48 34	19 29 52	26 47 27	19 34 47
Why? (if hardly ever) Avoid all programs- Avoid health programs None available or other-	11 19 4	12 13 2	14 17 3	8 36 8	9 16 2	13 29 5

Table 4. Importance of kind of health on living activities by co-operation groups, NCRC, 1958

		Cer	isus: Ye	9	Cens	sus: No		
Importance of kind of health	A11					NORC: NO		ORC:
	persons	Cer- tainly	Prob- ably	No-DK	Yes	No-Di		
Number of respondents	762	249	237	53	92			
		on						
A. Kind of health required by own work; (10)	100	100	100	100	100	10		
Especially good	32 49 18	36 47 17	31 53 16	17 47 34	33 49 18	1		
 Difficulty in payment of large medical bill: (13) 	100	100	100	100	100	10		
Great	45 31 24	56 26 18	46 33 21	30 32 38	34 32 34	16		
A11	22 16 26 35 1	27 14 21 36	18 18 25 38	6 9 49 32	7 14 50 28	14 3		
D. Impact of illness on job (other than income loss): (11)	100	100	100	100	100	10		
Creat deal	7 12 46 35	10 10 44 36	6 14 42 38	6 9 53 32	7 14 51 28	1 4 3		
. Impact of illness on family: (12)	100	100	100	100	100	10		
Great deal	12 23 57 8	. 14 24 53 9	13 29 50 8	19 6 66 9	8 24 64 4	1 1 6		

Table 5. Satisfaction with current research on health matters by co-operation groups, MORC, 1958

1		Cens	us: Yes		Census: No MORC:		
Satisfaction with current research	A11		NDRC:				
:	persons	Cer- tainly	Prob- ably	No-DK	Yes	No+DK	
Number of respondents	762	249	237	53	92	79	
		Perc	ent dis	tribut!	.on		
A. Satisfaction with research on causes of disease: (25)	100	100	100	100	100	100	
Enough being done	68 28 4	66 30 4	70 26 4	64 30 6	61 36 3	84 11 5	
B. Satisfaction with research on cures of disease: (26)	100	100	100	100	100	100	
Rnough being done	67 29 4	66 31 3	69 26 5	68 28 6	55 41 4	77 18 5	
C. Importance of co-operation on health opinion research: (54)	100	100	100	100	100	100	
Very important	70 25 3 2	90 9 1	65 33 1 1	51 36 8 5	66 32 2	42 40 10 8	

Yable 6. Attitudes on the recognition, avoidability, and cure of illness by co-operation groups, NORC, 1958

Marie Control of the			-	-	**********	
		Ce	nsus: Y	25	Censu	8: No
Recognition, avoidability, and cure of illness	A11 persons		NORC:		NO	RC:
	1	Cer- tainly	Prob- ably	No-DK	Yes	No-DK
Number of respondents	762	249	237	53	92	79
A. Knowledge of symptoms of:		Pero	ent die	tributi	on	
Polionyelitis (15) Number mentioned	100	100	100	100	100	100
None	29 13 23 35	29 16 20 35	27 11 28 34	36 9 26 29	33 14 20 33	33 17 16 34
Tuberculosis (16) Number mentioned	100	100	100	100	100	100
Mone	26 23 27 24	23 21 27 29	27 29 24 20	30 23 30 17	23 13 37 27	25 27 25 23
Diabetes (17) Number mentioned	100	100	100	100	100	100
None	50 17 17 16	47 18 19 16	50 18 16 16	55 15 21 9	47 18 20 15	63 13 14
 Persons who feel immediate recognition possible for specific illnesses: (14) Archricis- 			*		*	. *
Anthma- Polfonyeltis Reart trouble Liver trouble Usabetes Tubercolouis Cencer-	83 77 60 35 33 19 18	85 78 56 40 34 22 21	81 75 60 36 32 16 17	75 79 62 21 26 11 8	84 79 66 33 33 20 24	84 77 53 34 39 23 18
Summary of above immediately recognizable illnesses: (14)	100	100	100	100	100	100
Monte 1-2	5 25 28 31 11	24 28 31 13	5 28 24 34 9	6 30 30 32 2	22 26 36 12	11 18 27 29 15
Commutative number (14)				1	12	12
None 2 or less 3 or less 5 or less 8 or less 7 orentiates the prevention of the prev	5 30 57 89 100	28 56 87 100	5 33 57 91 100	6 36 66 98 100	26 52 88 100	11 29 56 85

Table 6. Attitudes on the recognition, avoidability, and cure of illness by co-operation groups, NORC, 1958-Continued

MORC, 1958—Con	Lnued				-		
		Cen	sus: Ye	e	Census: No		
Recognition, avoidability, and cure of illness	All persons		KORC:		NORC:		
	persons	Cer- teinly	Prob- ably	No-DK	Yes	No-D	
		Perce	nt dist	ributio	n		
Effects of way you live on health: (4)	100	100	100	100	100	1.0	
Great deal	56 26 17 1	58 23 19	51 30 18 1	47 23 26 4	65 20 14 1	5 2 1	
Time likely to be sick in bed next year: (8)	100	100	100	100	100	10	
A week or more	30 15 55	36 13 51	27 19 54	25 15 60	30 10 60	2 1 6	
Likelihood of getting tuberculosis, heart disease, or orthritis in 5-10 years: (9)	100	100	100	100	100	10	
Very likely- Fairly likely- Bardly likely- Bon't know-	7 18 67 8	9 21 63 7	7 19 66 8	2 11 70 17	3 21 71 5	1	
. Chance of healthier life today compared with 30 years ago: (21)	100	100	100	100	100	. 10	
Much better- Little better- Much worde- Little worde- Sense-	82 9 3 4 2	81 8 4 5 2	83 9 2 4 2	79 7 4 4 6	76 17 2 1		
. Doctors know more today than 30 years ago? (23)-	100	100	100	100	100	10	
A lot more— A little more— Less—————————————————————————————————	90 8 1 1	92 7 - 1	91 8 1	83 13 2 2	95 5		
Are today's medicines better than 30 years ago? (24)	100	100	100	100	1.00	16	
Moch better- Lictle better- Worse	93 4 1 2	93 4 1 2	92 5 ** 3	87 7 2 4	98 2 -		
Belief in doctors' ability to ours or help selected filmesses: (20) Ours or help allergy	88	87	89	88	88		
Cure allergy	17 71	16 71	74	77	26 62		
Cure or help arthritis or theumation	93	94	95	89	96	+-	
Cure arthritis or rheumatism	89	90					

Table 6. Attitudes on the recognition, avoidability, and cure of illness by co-operation groups, NGMC, 1958—Continued

		Co	nsus: 1	es	Census: No		
Recognition, avoidability, and cure of illness	All		NORG:	NORC:			
	person	Cer- tainly	Prob-	No-DK	Yes	No-I	
	1	Perc	ent dis	tributi	>0		
I. Belief in doctors' ability to cure or help selected illnesses: (20)—Continued							
Cure or help sathme	88	91	88	83	93	7	
Cure asthma	10 78		8 80	23 60	16 77	6	
Cure or help diabetes	91	91	92	83	91	8	
Oure diabetes	15 76		11 81	17 66	14 77	1 6	
Cure or help gallbladder	85	86	87	81	78	8	
Cure gallbladder	62 23	64 22	62 25	57 24	62 16	51	
Cure or help heart	93	94	93	87	96	91	
Cure heart	13 80	13 81	10 83	17 70	22 74	14	
Cure or help blood pressure	94	94	98	89	94	90	
Cure blood pressure	31 63	30 64	28 70	38 51	45 49	28	
Cure or help kidney	87	87	90	81	92	78	
Cure kidney	46 41	44 43	46	43 38	54 38	41 37	
Cure or help piles	94	92	98	89	94	91	
Cure piles	76 18	75 17	75 23	76 13	84 10	73 18	
Oure or help simus	89	92	90	85	90	76	
Core simus	23 66	25 67	21 69	11 74	28	25 51	
Oure or help varicose veins	84	86	85	79	81	80	
Cure varicose veins	37 47	36 50	35	34 45	42 39	41 39	
Summary of illnesses doctors can cure or help: (20)	100	100	100	100	100	100	
6 or less	5	-	_			-	
7-8	9 86	5 8 87	10 88	13 8 79	4 7 89	10 17 73	

Table 6. Attitudes on the recognition, avoidability, and cure of illness by co-operation groups, NORC, 1998--Continued

NORC, 1958Co	ncinued								
		Census: Yes			Census	: No			
Recognition, evoidability, and cure of illness	A11		NORC:		NOE	tC:			
nevegnition, everonization, and the or inner	persons	Cer- tainly	Prob- ably	No-DK	Yes	No-D8			
		Percent distribution							
J. Conditions which require immediate doctor visit: (18)	*	*	*	*					
Coughing 5-6 days Disarrhes or consciption several days Disarrhes or consciption several days Tired all the times Lump or discolored patches on skin- Shortmass of Sweath- Shortmass of Sweath- Onespeeded loss of 10 pounds Thiray all the time Pains in stonech	65 61 76 81 95 80 27 80 62 90 80	67 62 78 79 95 86 32 82 64 92 81	66 63 78 85 97 78 27 84 60 92 82	66 49 60 74 85 60 15 74 55 83 74	65 58 72 80 96 85 23 74 70 83 76	57 63 74 74 90 76 28 72 53 87 77			
Commistive Number of conditions: (18) None: 0 or less	1 22 38 55 73 88 100	** 18 34 52 72 87 100	21 35 54 72 90 100	40 64 74 87 89 100	29 38 56 72 90 100	59 75 75 85			

Percentagos are nonafilitive, but represent the percentage who recognize the send to visit a physician.

Less than I percent.

Table 7. Chronic conditions, doctor visits, and physical checkups by co-operation groups,

MORC, 19	158				-	
		Ce	nsus: Y	os .	Censu	s: No
Chronic conditions, doctor visits,	A11		NORC:	NORG:		
and physical checkups	persona	Cer- tainly	Prob- ably	No-DK	Yes	No-DK
Number of respondents	762	249	237	53	92	79
A. Reported chronic conditions in past year or		Perc	ent dis	ributi		
Allergy	13	12			*	*
Arthritis or rheumstism	16	22	11	15	13	16 15
Aschna	2	4	1 1	1.3	14	15
Diabetes	1 1	2	î	-		l î
Gallbladder or liver trouble	5	1 5	7	2	3	i û
Heart trouble	1 3	4	3	4	i	1
Righ blood pressure	7	9	6	9	2	13
Kidney trouble	5	7	6	4.	3	1
Signs trouble	10	8	10	11	12	9
Vericose veins		16	24	17	27	18
None	46	44	44	11 53	49	48
B. Proportion reporting doctor visit in past year or so for chronic conditions: (19)		*		*		
AllergyArthritis or rheumatism	66	62	63	50	67	54
Asthma	60	59	66	57	46	67
Diabetes	71 100	73	33	-	100	100
Gallbladder or liver troublessessessessessesses	89	100	100	:		100
Heart trouble	86	100	71	100	100	100
High blood pressure	89	96	86	80	100	100
Kidney trouble	73	78	57	100	100	90
Piles	1 55 1	35	61	50	56	86
Sinus trouble	50	50	52	44	64	64
Varicose veins	47	47	38	67	62	14
Summary of persons with above conditions who saw dector: (19)	100	100	100	100	100	100
For all conditions	54	55	57		40	
For some condicions	16	17	14	44 28	49	54 14

^{*}Percentages are nonadditive,

Table 7. Chronic conditions, doctor visits, and physical checkups by co-operation groups,

				Cen	Census: Yes			: No	
	Chronic conditions, doctor visits,		All	MORC:			1408.C:		
		and physical checkups		Cer- tainly	Prob- sbly	No+OK	Yes	No-DK	
	Last doctor	visit by number of reported chronic		Perce	nt dist	ribution	1		
	Total	Under 3 months	(762) 42 23 35	(249) 46 21 33	(237) 42 24 34	(53) 38 30 32	(92) 36 23 41	(79) 43 19 38	
	None	Total	(346) 32 24 44 100	(98) 31 25 44	(106) 32 26 42 100	(28) 32 32 32 36 100	(57) 30 25 45 100	(33) 36 15 49 100	
	1	Under 3 months	(216) 47 24 29 100	(64) 41 28 31 100	(71) 48 18 34 100	(16) 44 31 25 100	(21) 48 19 33 100	(30) 56 27 17 100	
	2+	Under 3 months	(200) 62 18 20 100	(87) 70 12 18 100	(60) 55 25 20 100	(9) 56 22 22 100	(14) 64 22 14 100	(16) 56 13 31 100	
٠.	Ever had co	mplete physical examination? (27)	100	100	100	100	100	100	
	No Yes		9 91	91 91	12 88	92 92	8 92	11 89	
	How often d	o you have complete examination?	100	100	100	100	100	100	
		r or twosionally	33 58 9	37 54 9	26 62 12	28 64 8	53 8	55 11	
	Last time y	ou had complete examination:	100	100	100	100	100	100	
	1 year le 2 years 1 3 years 1	1 year	37 17 14 10 13 9	40 18 14 8 11 9	33 17 12 10 16 12	40 11 15 11 15 8	44 17 16 10 5 8	34 17 10 9 19	
3,	Ever had of	eckup when not ill? (28)	100	100	100	100	100	100	
	No		60 40	63 37	63 37	58 42	48 52	67 33	
	Just for Joh, scho Felt rund Somebody	getting checkup: cbackup- col requirements own suggested it- f my mage, weight-	17 16 1 2 1	17 15 1 2 1	14 15 2 2 1 3	21 15 2 2 2	25 16 2 7 2	10 15	

Table 8. Confidence in doctors' skill and belief in his concern with patient's welfare by co-operation groups, NORC, 1958

		Cen	nsus; Ye		Consus: No		
Confidence in doctors' skill and	A11		NORC:	NOF	IC:		
concern with patients welfare	persons	Cer- tainly	Prob- ably	No-DK	Yes	No-Di	
Number of respondents	762	249	237	53	92	79	
		Perc	ent dis	cribuci	on		
 Do you have a doctor or clinic you usually go to? (32) 	1.00	100	100	100	100	100	
Yes	88 12	89 11	88	87 13	89 11	10	
Kind of medical service usually consulted: (32)-	100	100	100	100	100	100	
Private medical doctor- Private clinic	75 5 6 2 12	76 5 7 1	72 7 6 3 12	74 4 7 2 13	80 2 7 -	76 4 4 2 14	
3. Practitioners used by family in past year: (33)-	*	,		*		_ 1	
Medical doctor Ostoopath Dentist, optometrist ¹ Chiropractor Faith healer ¹	89 7 10 10 1	91 9 11 13 1	88 9 11 8	87 4 16 8	88 3 4 8	86 7 7 5	
. Interest in patients by doctors today compared with 30 years ago: (22)	100	100	100	1.00	100	100	
Much more Little more Noch less Little less Same Dan't know-	34 14 14 20 15	41 14 12 17 14 2	31 13 14 23 17 2	21 13 15 27 13 11	34 18 12 19 12 5	30 15 19 17 11 8	
O. Comparison of own doctor with others: (36)	100	100	100	100	100	100	
Nach better- Little better- Average- Not as good- Don't know-	24 21 46 1 8	26 21 46 46 7	20 22 51 **	17 23 50	35 26 31 8	25 13 44 1	
2. Satisfaction with treatment by doctors in past 5 years: (37)	100	100	100	100	100	100	
Entirely satisfied————————————————————————————————————	81 18 1	80 19 1	83 16 1	81 19	83 17	86 14	
. Have you or snyone you know, ever had any bad experience with a doctor which made you lose some confidence in doctors generally? (35)	100	100	100	100	100	100	
Yes	78 22	74 26	81 19	89 11	79 21	78 22	
Respondent- Spouse or child	8 5 5	10 3 7 6	8 4 3	5 4 2	7 6 7	12 2	

See footnotes at end of table. 28

Table 8. Confidence in doctors' skill and belief in his concern with patient's welfare by co-operation groups, NDRC, 1958--Continued

		Cen	sus: Ye	18	Census	: No
Confidence in doctors' skill and concern with patients welfere	All		NORC:		NOB	c:
consecut with patients wellare	persons	Cor- teinly	Prob-	No-DK	Yes	No-DI
. Have you or anyone you know, ever had any bad experience with a doctor, etc.—Continued Haw long ago?		Parce	nt dist	ributio	n	
Less then 1 year	4	4	3	2	1	
1-3 years	5	6	6	3	5 8	
3-10 years	7 6	10	6	2	7	1
. Why do some people say they are afraid of seeing a doctor? (34)	١.	١.	١.		*	
May have incurable disease	71	67	73	77	74	71
Pain of treatment	13	11	15	1.4	14	1.
Expense	11	11	11	10	15	1
Lack of sympathy from doctor	117	10	11	1 8	10	١ ١
Doctor may want to change habits	2	2	2	2	4	
Silly to be afraid	6	8	3	4	9	
Proportions ever using any of these reasons for not seeing a doctor; (29)				*	*	
Something always seems to come up	34	33	37	30	35	- 2
Doctor's office is too far away		. 5	16	8	15	١,
Waste of time waiting for doctor If feel all right, are all right	15 65	14	67	17	64	1 5
	43	46	45	40	36	4
Don't think doctors can believe	6	4	6	11	1	
Don't learn much from checkups	12	7 9	12	19	12	,
Person knows health better	21	20	20	15	28	1 2
Disease is punishment for sing	5	7	2	6	2	
Regular examination makes worry	15	14	14	17	13 13	1
Don't like doctors	11 7	11	12	11	13	١,
Doctor might try to change my ways	6	10	5	1 2	7	
Dector might want to put me in a hospital	8	9	10	6	9	
Don't went family to know I'm sick	5	6 44	A1	49	39	1 3
Not spend money if OK	9	10	9	49	10	
. Criticians of doctors in general: (40)				*		Ь.
Don't give chance to tell trouble Not enough personal interest	41 55	45 58	40 57	55 55	38 50	1
Not enough free time for needy	55	54	37	62	49	1 :
Not tell you things cusht to know	42	45	46	42	30	
	67 55	49 56	46 55	43 62	45	
Not set appointments right	30	31	31	38	18	1
	37	37	37	42	34	
	15	14	19	1.5	8	1
	34	37	33	34	23 12	1
Not careful or gentle enough	17	18 15	16	19	12	
	39	43	37	36	. 36	
	35	39	33	36	27	
Charge too such soney	46	46	46	55	42	- 4

See feetseces at end of table.

Table 8. Confidence in doctors' skill and belief in his concern with patient's welfare by co-operation groups, NORC, 1958--Continued

Census:	No
NORC:	:
DK Yes N	No-Di
tion	
* *1	
13 9	1
17 16	1.
9 2	9
15 5	5
6 11	10 27 5
34 23	27
9 9	- 5
4 Z	
5 5	
9 (1	9
9 5	
8 11	11
1 13	16
	14
	5 15

¹Coss set recessarily represent total exerge, since they are mentioned voluntarily and are not explicitly nated about on the original quantitie.

*Preventages are nonefalfore.

*Lines that | prevents.

Table 9. Attitude toward clinics and role of government's health matter by co-operation groups, NORC, 1958

		Cen	sus: Ye	*	Census	: No
Attitudes toward clinics	A11		NORC:		NOR.	C:
	persons	Cer- teinly	Prob- nbly	No-DK	Yes	No-DK
Number of respondents	762	249	237	53	92	79
		Perc	ent dis	tributi	on	
A. Experience with clinics or medical centers: (41)	100	100	100	100	100	100
Never had any	50	38	53	55	57	70
Hed care in past 5 years	34	41	35	26	32	22
Had care more than 5 years ago Kind of clinics or medical center:	16	21	12	19	11	8
Public	26	30	25	21	23	17
Private	23	30	22	24	19	12
Don't know	1	2			1	1
Satisfaction with care in clinics:	100	100	100	100	100	100
Entirely satisfied	76	77	73	74	87	78
Not entirely satisfied	24	23	27	26	13	22
B. Core by salaried doctors compared with private						i
doctors: (43)	100	100	100	100	100	100
Refrer	Δ.	5	3	4	4	8
Worse	25	22	25	23	32	20
Sone	61	63	63	58	55	57
Don't know	10	10	9	15	9	15
C. Criticisms of public clinics: (44)	*			21	20	19
Doctors not experienced or well trained	20 40	22 60	18 37	47	37	42
Too busy to give you personal attention Bon't have up-to-date equipment	10	10	37	-4	36	1 70
Not concerned about patient's feelings	23	24	20	24	18	25
Have to wait too long until doctor sees you	61	59	62	76	58	62
Sent to different doctor every time	38	39	38	43	35	35
Doctors don't try hard enough because you don't pay-	. 13	16	12	9	12	14
Boctors not considerate or gentle when	. 13	10	14	,		1
examining you	1.6	17	1.6	1.7	13	15
Make you feel they're doing you a favor	21	21	22	23	20	23
D. Attitudes toward role of government in health			١.	١.,		١.
matters:(46)	88	93	90	77	91	78
Disagree "health is no business of government" Agree "all doctors should work for government"	12	17	11	′′á	8	/ 0
						1
vaccines"	89	91	92	77	94	80
Disagree "government should not provide free			89	91	87	84
service to needy"	89	93	89	1 1/1	87	84
	80	86	78	68	83	66
Dieserae "government should not provide any		1				
health insurance	63	73	62	. 43	65	53
Agree "government should give private hospitals			86	72	76	71
money for research"	80	82	96	89	98	8:
Agree "government whould make nearth accords."	24	1 70	1 70	6.5	1 20	1 "

Porcontages are nonadditive.

Table 10. Situational and environmental factors co-operation group	in arrang ps, NORC,	ements fo 1958	or a he	alth ex	amina	tion by
		C	ensus:	Yes		sus: No
Factors in arrangements for a	A11		NORC:			NORC:
health examination	persons	Cer- teinly	Prob-	No-DK	Yes	No-DK
Number of respondents	762	249	237	53	92	79
	1	Percer	t dist	ribution	1	
A. Beliefs of others' willingness to take examination: (47)	100	100	100	100	100	100
Certainly come	12	27	4	1	11	1
Probably come Probably not come	56 27	56 14	72	21 66	61 25	32
Don't know	5	3	2	13	3	19
Would you be more likely to come if the	1				1	
examination had the approval of: (51)				1		
Own dector	100	100	100	100	100	100
More likely	42	39	50	38	48	21
Less likely	56	61	48	2	.1	1
Don't know	20	01	40	58 2	49	70 8
Local medical society	100	100	100	100	100	100
Hore likely	34	35	42	21	38	111
Less likely	7	*	*	2	30	1
No difference	63	64	57	66	62	80
	2	1	1	11	-	8
Religious advisor	100	100	100	100	100	100
More likely	24	28	27	1.5	29	1.1
No difference	74	72	*		2	3
Don't know	í í	/2	71	81	68	81
Newspaper, radio, television	100	100	100	100	100	100
More likely				-		-
Less likely	20	25	23	2	25	4
No difference	77	74	75	94	70	90
Don't know	1	9	1	- 4	1	5
Spouse or friends	100	100	100	100	100	100
More likely	47	45	54	42	59	25
No difference	51	53	45	58	40	70
Don't know	1		1	70	1	70
B. Information needed for decision of whether to	- 1	1	- 1			
co-operate: (49)	**	44	44	89	40	**
None	36	45	28			
Describe tests	50	44	28 55	42 45	62	55 32
Why was I selected	16	1.2	18	21	20	13
Time required for tests	6	4	7	2	10	5
What kind of tests do was think	5	4	6	8	3	4
included in survey? (50)	44	**	44	**	Web.	Ark.
No idea	34	28	37	18	28	47
Long examination	35	40	33	12	37	24
	32	30	34	32	40	24
See featestes at end of table.					L	

co-operation groups, NORC,	1958Co	ntimed				
		Cen	sus: Ye	5	Census	: No
Factors in arrangements for a	A11		NORC:		880B.	C:
health exterination	persons	Cer- tainly	Prob- ably	No-DK	Yes	No+DK
		Perce	nt dist	ributio		
B. Information needed for decision, etcCon.						
Kind of tests included in survey, ercCon.						
Blood tests	25 21	31 24	22 20	15 11	26	15 19
X-ray	19	22	17	17	17	24
Height, weight, eyes, ears	18 23	22	17	17	20	19
Over-all cileckop	43	- 47	- 22	13	20	19
C. What kinds of tests would you especially	**	**	**			
None in particular don't know whatever			_			
Heart	64 10	52 11	62 10	78 10	68	88
Cancer	6	. 7	7	6	7	-
Lungs	6	5	6	2	10	3 2
Specific symptoms	12	17	12	2	10	6
B. What kinds of tests would you rather not have? (50)		۱		**	**	**
	83	88	81	83	82	76
Polvic, internal	4	3	3 5	4 2	3	5
Missellageous	4	5	3		7	3
	2	1 2	3		1 4	28
Don't need examination Other vague and irrelevant	6	3	6	lí	3	18
	1					
E. Examination arrangements:(52)** Travel time:				ĺ		
E-10 efector	89	100	100	62	99	33
13-20 minutes	87 63	99 88	98 65	58 13	97	111
		1				
Morning during week	57 58	71 72	67 64	36 26	58 72	5 9
	69	84	74	42	77	24
	65	78	74	30 28	72	17
Saturday afternoon	65	80	1		1	
	89	99	99	68	99	34 24
1 hour, 30 minutes	84 75	96	81	30	85	18
Second visit	82	98	90	45	92	23
	87	99	97	62	98	30
Hospital or medical center	79	94	88	47	87	23
	74	88	82	47 59		33
Local doctor's office	88	29	- "		1	
	89	97	98			48 23
	83	100	94			32
Specialist approved by AMA	1					24
	83		92			
Not appropriate	32	35	36	28	26	10
	(62	(65) (62 90			(60)
Not appropriate Paid for time at examination Not appropriate	82		3			
Not appropriate	1	1	1	1		

Table 10. Situational and environmental factors in errangements for a health examination by

		Cen	Census: No			
Factors in arrangements for a	A11		NORC:		NOR	iC:
health examination	persons	Cer- teinly	Prob- ably	No-DK	Yes	No+D
		Perce	nt dist	rihutio	n	
. Examination arrangements—Continued						
Person examined:						
Adults only	79	88	87	62	91	28
Not appropriate	(9)	(11)		(9) 47	(4)	(10)
Adults and children	54	59	60		60	19
Not appropriate	(39)	(40)	(39) 98	(36) 57	(38)	(43)
Only you	86	99	98	57	97	29
Personal modesty:		96	91			
Undress completely	82	96	96	51	95	27
Undress above weist	86 88	100	98	57 62	99 98	30
Wear coverall gown	88	100	98	62	98	34
Voluntary mention of other arrangements:	[
Want definite appointment	1 3	3	å	2 4	2	1
Give choice of times	9	11				
Specified hour-not working hour	9	11	10	11	9	1
If other people I know go	1			Z I	2	

Table 11. Selected characteristics of co-operation groups, NORC, 1958*

	Table 11. Selected characteristics of co-operation groups, NOMC, 1958 Consus: Yes Consus: Yes Consus:						
			Cer	Census	: No		
	Characteristics	All persons		BORC:	,	NOS	IC:
_		Fersons	Cer- teinly	Prob- ably	No-DK	Yes	No-01
_	Number of respondents	762	249	237	53	92	75
			Perc	ent dis	tributi	on	
٨.	Sex	100	100	100	100	100	100
	MaleFemale	50 50	48 52	46 54	55 45	62 38	49 51
В.	Family relationship	100	100	100	100	100	100
	HesdWife	59 32	62 30	56 37	58 32	63 27	56 32
	Child	5 3 1	3 4 1	4 2 1	6 2 2	6	4 2
c.	Marital status	100	100	100	100	100	100
	Married- Widomed- Olverced- Separated- Newer married-	77 6 4 4 9	74 7 7 7 7	78 8 2 1	73 6 4 4	83 3 2 4 8	79 6 5
D,	Lebor force status	100	100	100	100	100	100
	Working- Looking for work- Keeping house- School- Other-	63 1 31 2 3	60 2 33 1 4	61 1 34 3 1	64 32 4	67 1 23 2 7	66 1 28 1 4
Ε.	Race	100	100	100	190	100	100
	White	86 14	77 23	87 13	89 11	94 6	95 5
F.	Age	100	100	100	100	100	100
	18-34	32 36 32	27 41 32	36 37 27	38 28 34	34 37 29	19 27 54
G.	Income	100	100	100	100	100	100
	Under \$3,000- \$3,000-4,999- \$5,000-6,999- \$7,000+	19 27 27 27	25 30 27 18	20 25 29 26	25 27 13 35	11 32 26 31	13 23 26 38
М.	Education	100	100	100	100	100	100
	Grade school	26 51 23	32 53 15	24 52 24	34 32 34	19 55 26	23 58 19

Table 11. Selected characteristics of co-operation groups, NORC, 1958 -- Continued

		Con	neus: Ye	Census: No		
Characteristics	All persons		NORC:		1901	ic:
	i i	Cer- tainly	Prob- ably	No-DK	Yes	No-D3
		Perce	mt dist	ributio	n	
. Self and proxy respondents	100	100	100	1.00	100	100
Self respondent	64 36	68 32	68 32	64 36	46 54	71 29
Nales—Veterans status: Veterans(N=162) Nonveterans(N=193)	100 100	35 32	36 27	9 8	13 19	7 14
. Males—Veterons status by agc: 18-34				- 1		
Veterans(Nº64) Nonveterans(Nº36)	100 100	30 25	42 28	12 14	11 25	5 8
35-49 Veterans(N=69) Nonveterans(N=69)	100 100	36 36	35 30	7 5	15 20	7 9
50+ Veterans(N=29) Nonveterans(N=28)	100 100	45 33	24 26	3 8	14 15	14 20

Storees Date from Household Interview Survey.

Table 12. Intention to co-operate on health examination reported to NORC by region and size of urban area

Region and urban size	A11 p	ersons	Co-operators	Kon-	
- State and state	Number	Percent		co-operators	
Region:					
East	237	100	75	25	
Nidwest	23L	100	81	19	
South	156	100	83	17	
West	138	100	86	14	
Urban size:					
Large metropolitan (over 1,000,000)	386	100	78	22	
Small metropolitan (under 1,000,000	277	100	84	16	
Other urban areas	99	100	82	18	

Table 13. Index of health status by co-operation groups, NORC, 1958

Index of health status	A11 1	All persons C		All persons Co-oper			Nonco-c	perators
	Number	Percent	Number	Percent	Nurber	Percent		
Health status: No chronic conditions—saw no dector in past year.————————————————————————————————————	164	100	129	79	35	21		
One chronic illness	182 216 200	100 160 100	150 164 171	83 76 86	32 52 29	17 24 14		

APPENDIX I

COMPARISON OF RATIOS DERIVED FROM THE NORC SAMPLE AND THE NHS URBAN SAMPLE

Since the sample for this study was not based on a probability design, it was not possible to make the usual statistical inferences as to the precision of estimates. However, it was possible to compare the magnitudes of ratios derived from the NORC sample with those obtained from the NHS urban sample which is representative of the U.S. urban population.

As pointed out in the section on methodology the NORC comple was selected from a large NHS sample in which a supplemental question on co-operation was asked. The ratios used in this comparison were based on answers given on the original inquiry by the total urben sample and that portion used in the NORC sample.

Table I. Percent of persons willing to participate in shealth examination survey and distribution of persons in NORC and U.S. urban sample by selected characteristics

or paradia an account of the country								
Characteriatic	Percent to par		stribution rsons					
OME SCIENTS CITE	NCRC U.S. urba: sample sample		MORC sample	U.S. urbsn sample				
Race								
Total	72.9	69.2	100.0	100.0				
White	70.1	67.0	84.9	87.1				
Notwhite	88.5	84.1	15.1	12.9				
Sex	1							
Nele	69.3	67.5	50.1	67.0				
Fenale	76.5	70.6	49.9	53.0				
Age	1							
18-24	69.7	72.0	9.6	14.5				
25-44	78.4	73.3	47.6	46.6				
43-64	67.5	63.1	42.8	38.9				
Education*	1 1	- 1						
Under 9 years	73.1	67.1	29.2	34.5				
9-12 years	74.0	71.6	49.2	45.0				
le years of college	69.8	67.4	21.6	20.5				
Incometé			- 1					
Under \$2,000	73.3	62.6	15.2	17.7				
\$2,000-4,999	76.7	73.7	34.3	33.4				
\$5,000-6,999	73.8	71.8	25.0	24.3				
\$7,000+	66.5	65.2	25.5	24.6				
Time interval since doctor last seen	1	- 1						
Under 3 months	75.0	70.7	36.0	35.5				
3-11 months	75.0	71.2	30.0	35.3 29.8				
1-2 years	70.1	70.5	19.9	29.8 19.3				
3+ years	66.7	60.0	13.9	19.3				
Number of chronic conditions	,	***************************************	25.5	13.4				
None	/							
1	69.3	66.3	45.9	51.0				
2	71.4	70.6	27.9	27.0				
3+	70. 9	73.7	15.8	12.4				
"Réseation of head of household and of appellated individuals in the hou	17.4	/4.5	10,4	9.6				

[.] Medoared and a fewlylytheir bateleass to bee blodessed to bee "Income of family sed useslated individuals.

Table II. Percent of persons willing to participate in a health examination survey and distribution of persons in NORC and D.S. urban sample by region and place of residence

Region by place of residence	Percent to part	willing icipate		stribution rsons
region by place of residence	NORC sample	U.S. urban sample	NORC sample	U.S. urban sample
All regions	72.9	69.2	100.0	100.0
Large metropolitan	69.2 75.6 78.4	65.5 67.1 76.6	49.9 34.0 16.1	39.0 32.5 28.5
Northeast	66.1	60.7	100.0	100.0
Large metropolitan	65.8 66.7 66.7	60.2 55.8 68.8	70.6 14.9 13.6	59.1 23.7 17.2
North Central	75.6	71.6	100.0	100.0
Large metropolitan	69.2 80.3 84.6	71.5 68.8 75.0	49.7 31.6 18.7	34.8 35.1 30.1
South	69.7	73.3	100.0	100.0
Large metropolitan	52.6 68.1 80.5	59.5 69.3 81.4	14.4 54.5 31.1	11.9 45.0 43.1
West	83.5	73.8	100.0	100.0
Large metropoliton	82.5 84.1 100.0	70.6 75.2 78.2	49.6 49.6 0.8	47.7 26.1 26.2

Date are presented in tables I and if for both samples on a number of selected characteristics. These indicate the relative discriptations in both samples of persons included and the proportion insticating a willingness to participate in a health examination survey.

The restor or willingness to accept an examination were consistently higher in the NOIC sample than toosa derived from the U.S. urban sample. Although most of the differences were slight, affirmative co-operation from the NOIC cample were particularly higher ratios from the NOIC cample were particularly higher for those with income under \$2,000, persons with colorious conditions, and where the persons, but the person conditions are different the persons that the person can be considered to the control of the co

riod of 3 or more years alone a doctor was last seen (table 1).

In all regions but the South, with the exception of other urban areas in the Northeast, the NORC ratios of willingness to co-operate were consistently higher than the corresponding ratios in the U. S. urban sample. The

w)dest differences were generally observed in the small metropolitan areas although ratios in other urban areas were higher in the North Central and West (table II). The two samples were quite similarly distributed

with respect to the characteristics presented in table 1 with perhaps the most noticeable difference being in the proportion of persons 18-24 warst of ago, Over-all, the NORC stemple distribution contained a larger proportion of persons 18-29 metropolitan agree proportion of persons in large metropolitan arona and a correspondingly lower proportion in the smallest urbss nature of residence.

In aummary, from the evidence presented in these tables, the sample used by NORC in the study of attitudes oward participation in a beatife assination didnos seem to differ grossly from the representative U. S. urban sample. Thus, the findings in this report should be good approximations to what would have been obtained if the sample had been based on a probability design.

APPENDIX II

OUESTIONNAIRE

The Items below show the seast content and wording of the questionnairs used in this study. The actual questionnairs used different aged ing arrangements and provided for preceding most of the moments.

Good infternoon, evening) I'm from the Mational Osinion Research Conter. As this letter says, the Public Smalls National and maked us to do a special study for them and to mak you some additional questions. The first one is-

- Roald you say your own basith, in general, is excellent, good, fair, or poor?
 □Excellent □Scod □Fair □Poor □Scott know
- 2. All in all, do you think that most popple take the best possible care of their health, or could they take botter care than they do? Fro than they go? □Take best care □Could take batter care □Don't know
- 3. Moveld you say you take the best possible care of your own hoalth now, or could you take batter care of your health Fiftest possible care | DCould do none | D0e:t know
 - A. If accuse to money: What are some of the things you could do to take better care of your health?
- So you think the may you live makes a great deal of difference in how healthy you are, makes some difference or hardly any difference at all? office any difference at anir □Great deal □Some difference □Hardly May □Don't know
- 5. Now, if you had a chance to talk to your doctor for half an hour, at no cost to you, are those any things shout ny five men a chance to this to your fur health that you'd like to but him? □You □No □Don't know
 - A. IF "TES": Shat sort of things would you ask him abouts 8. IF "MO": Why is that?
- 6. h. Noted you say you taled about your health fairly often, once in a while, or hardly ever?
 B. be you talk about your health with your leading and friends tairly often, once in a while, or hardly ever?
 b. him: about 7 Invited your of Books in a while | DBootly wow | DBoott know
- 7. Suring the last year, have you felt at my time that you should have occur a doctor, but didn't? □Yes □No □Don't brow
 - IF WEEK, ASK BODS HAV 3 Nov A. Now it exything that kept you from doing your regular work, or were you able to continue your usual activi-
 - tlas? □Most from doing □Able to continue □Don't know 8. Why dien't you see a doctor?
- A. Looking most over the next year, Adv likely do you think it is that you may so sick in ted for about a week all Cole-mory likely. Body Safriy likely, or not tilely at all? Elbery likely Clariny likely Clarin likely (Described).

 - IF "VERY LIKELY" OR "FAIRLY LIKELY" OR "A" OR "B" OR "COV" I KNOW OF "B", ASK "C"
- C. Do you think there's esything you could do to prevent that?
- Ass Amerithmy Sear it area to you that you might got topercurous, arthritis, or a heart attack in the seat 5 or Department of the property of the
- 10. All in all, it experts do your work well, would you say that it is necessary for you to have appecially good health, or have faily good neabth, or could you do your work well even if you were not feeling so well?

 [Especially good [Parity good] that on all [] Goods taken.

- II. A. Now. If you were sick in bed for a week, would there be scenbody whole living here to take care of you, or sow, if you ware sick in add for a week, would there as schedoly who's [loving could you get somebody in pretty easily or would it be hard to get somebody?]

 □Somebody here □Get someone easily □Sand to get somebody □Dos-1 know
- D. By the way, do you have a job outside your home!

IF "YES", ASK *C" & "D*

- C. You'd you lose all of your income during that time, or only part of it, or wouldn't you have not become at all IN More sick in bed for a week? you were sick in see for a week? □lose all income □lose some income □%c income loss □Don't know
- 0. In other ways-other than income, that is-would it hart you on your job a great deal, or some, or wouldn't ther ways - other than income, that is worded it hart you on your jo be very serious (if you were sick in bed for a week!? | Thirt great deal | Thirt some | Not very serious . | Don't know
- 12. And how much trouble would the rest of the family have in taking care of the house if you ware sick in bed for a week-a great deal of trouble, some trouble, or not such at all?

 | Discret deal | Office trouble | Dist such at all | Dist family | Discret know
- 13. Now suppose you had a large medical bill not covered by insurance—say for \$500 or nore—movid you have great m mayonome you now a range seeical sill not covered by issurance—may for \$599 of nore—mayld yes Ifficeity in paying it right away, a moderate secunt of difficulty, or hardly any difficulty at all! □Great difficulty □Moderate secunt □Mardly any □Don't New
- 14. Now I'd like to task you about some particular libraries. If a person should get leach condition to you think he could tell right easy sceething was wrong by the way he felt or night he not know for some time that smething was wrong? Now should carry could like 12

```
For each condition check:
Can tell right away
I. Diabetes
                             Selia
2 Creces
    Asther
                             Teberculcais
                                                                Tires The Thorst know
```

- 8. Neart trouble 15. From what you've heard or read, do you happen to know any of the signs or symptoms of policy (Shell are they?) Any other ways a person could tell he had pollo? Ispecify!
- IA. How about T.R. Cluberco-insistency you become to know any of the signs or symptoms of T.B.2 (What are thes?) Any other ways a person could tell be might have T.B.7 (specify)
- 17. And now about diabeten-what are its sions or sweptoms? Any other ways a purson could tell be might have diabetes? is. Now on this card is a list of health conditions that people scretimes have. I'll read each one and I'd like The service of the se
- Counting for 5 or 6 fees 7. Sore throat, running nose Check! for each condition See doctor Diarrhea or constinution for several days 8 Desperted loss of 10 Feeling tired all the time []Cure self Fasting thirsty all the time. Frequent headaches Dienve alone
- to. 19. A. Now, on the other side of that card (MAVE RESTONEENT TURN (ARD OVER) — I'd like you to tell me if you your self had any of these conditions at any time during the last year or not (Check order "A" all those your tioned.1 The first one is "coughing for 5 or 6 days"?

Pains in the chest

Eliter 11 know

II Pains in the storech

- FOR EACH CONDITION MENTIONED IN "A", ASK: Old you happen to one a doctor about (condition) in the past year?
 (Chack one of the three codes under "B") t. Coughing for 5 or 4 days IS. Arthritis, rhesmatism A. For each condition: 2. Diarrhea or constigation for several
 - ribys 8. For each condition refeeling tired all the time portedi Disen dont er Frequent headaches turn or discolored patches or akin Heart trouble High blood pressure I'Ng sector Charleson of breath Sore threat, running some Unexpected loss of 10 younds Kidney trouble Climate know Feeling thirsty all the time 10. Pains in the chest Appe of thes
 - Allerge IF HAD CONDITION AND DID NOT SEE DOCTOR, ASK *C*

5. Lunp or discolored patches on skin

6. Shortness of breath

- G. How is it that you didn't see a doctor about (conditions for which no doctor seemi? Write number of each condition before answer. I (specify)
- 20. Now, if a person had as "allengy," do you think a doctor could cure it completely, could be help it but perhaps not cure it, or couldn't be help it at all? How about inext condition??
 - Allergy Arthritia or rhoumatism 7. Nigh blood pressure. For each condition: 8. Kidney trouble. 9. Plies ☐Help not cure 10. Sinus trouble Couldn't bull Gallbladder trouble II. Varispas veins Cition's been 6 Heart trouble

- 2). Compared to 20 years one, do you think people's changes for living a healthy life are much batter, a. little betred to 20 years ago, do you think propie's chances for living a tearing life are much batter, as furth worse, or a little worse than they used to bo? Year catter: "Chittle better: "Olyach worse: "Olittle worse: "Dibout the same | "Don't know
- 22. All in all, you such interest do you think doctors take in their patients today compared to Wo years, appropriate 25. Co yay think doctors toray know a lot more about treating sicknesses, a little core, a lot lawy or a little core.
- Date they did 30 years eget

 Late they did 30 years eget

 Late they did 30 years eget

 Dittle less | Datet the same | Don't know
- 14. And do you think the medicines we have today are much better, a little batter, or worse than thay worm 30 years
- 25. Co you think enough is being done in this country to discover the causes of disease?
- 26. And do you think enough is being done to discover new cures for disease?

 Cires Cito Chart home
- 27. And have you ever had a complete physical examinations
 - is "TES", ASK "An, "got a no."

 A. Bo yet get a complete physical exam regularly every year or two, or just occasionally?

 [Every year or two | Just occasionally | Don't know
 - S. About how long ago was the lest time? Diss than 1 year | 0 year, less than 2 | 2 years, less than 3 | 5 years, less than 9 | 5 years, less than 9
- C. Why did you go to the doctor at that times OR . And have you ever goze to a doctor for a check-up or examination even though you dign't think you had mything
 - especially wrong with your
- B. And why did you go to the doctor than?
- 20. Now here are come reasons people give for not seeing a dector. For each one, I'd like you to tell one whether now have one come resours proprie give our mot seeing a doctor, for each one, including you to toll new a you yourself have ever felt this way. Ifone people say (read statement). Have you ever felt this way?

or each condition checks

Dres

ΠNo □0on't know

- A. I mean to go but something always seems to come up I don't like to bother the doctor unless I'm Sick
- I was till to cotter the octor wheat i'm Sice
 Sepilar examp just make you worry—it's like looking for trouble
 I don't like doctors and would them as much as possible
- I don't want to spend the manay if I'm feeling all right I don't want to spens the money if i'm receing all right.
 A person understands bis own health better than most doctors do
- person diseases one can be not person petter than flows doctors not
 I don't like being examined—the doctor might hurt me or make me feel un-
- The doctor night tell me I needed some expensive medicine or treatment The doctor might term me, namedy some expensive members of biggs and continue and c I don't think doctors can help me any
- I don't think obstors wen may me way I don't went my family or friends to know I'm sick The dector's office is so far away
- I don't want to waxte so much time waiting for the doctor to see me
- The doctor might want so race time wasting for the doctor to see m
- D. If I'm sick, I can get better by myself without any doctor If I'm arck, I can get omiter by hyperi means, any source. The dector might went to put me in a hospital You don't learn much about your health from regular chack-ups
- V. Tou open't learn much expert your master from regular R. If you feel all right, the cheeces are you are all right 30 . During the seat year, has enjone suggested you see a doctor, but you didn't go?
 - A. Who was that?
 - Spouse Other relative Offised, acquaintence Other ispecify: 8. Why dien't you go?
- 31. On you were argue with anyone else in the family about whather one of you should see a doctory the Diso Diso Emily Doct know
 - A. If "YES": Who wants who to go to the doctor?

- 32 . So you have a doctor or clinic you usually go to when you're sick?
- IF "YES": What kind of doctor (clinic) is he city?

 IF "MO": Mave you ever had a regular doctor when you'd go to when you were sick?
- 5.1. During the past year, have you or shappe in your family seen to: A. A chiropractor
 - For each practitioner checks
 - C. A madical darter Disa D. Any other parson for treatment or beeling Dignit kees ispecify type:
- 34. Some people may they're afraid of seming a doctor. What do you suppose they mean by that?
- 35. How could you tell me if you yourself, or anyone you know, ever had any bad experience with a doctor which made lose some confidence in doctors recently □Yes □No
 - Who had that experience?
 - ☐Respondent ☐Spouse or child ☐Other relative ☐Friend, acquaintance

 - C. What was it that made you lose some confidence in doctors?
- 3.6. And how would you nate your doctor in comparing him with work other dectors in the United States, would you new Danit better Distilled better Datot swangs Dinot as good Dion't know
- 3.7. Have you been entirely satisfied with the care and treatment you and your family got from doctors during the set five years or so, or were there some things about the care thet you were not satisfied with? □Estirely satisfied □Some things not □Don't know A. IF *SOME THINGS NOT": What was that?
- A.s. Could you tell me if you read about health matters in newspapers or assessment often, once in a while, or hardly Differ Directo a white Diantly ever Direct know
 - A. IF "HARDLY EVER": Is that because you don't read the newspapers or magazines much or because you usually skip the health items? Don't read papers, nagazines | Dikip beaith items | Dither reason ispecify: | Don't know
- 3 9 . How about radio and television programs dealing with health or medicine -- do you listen to those Often, once in a melie, or hardly ever?

 Often Objec in a while Objectly ever Object know is that because you don't listen to radio or television very much, or because you don't
- A. IF "HARDLY EVER": Is that be turn in on health programs? □Ocn't listen much □Don't tame in health □Other (specify) □Ocn't know 4 C . A. Now here are some things people sometimes don't like about doctors. I'd like to know whether you personally think they are true of each doctors, true of some doctors, or true of handly any. For example (Read """)

 -do you think that's true of each doctors, true of some doctors, or true of handly any. For example (Read """)
 - B. FOR EACH ANSWER OF "MOST" OR "SOME" IN 40A ASK: Have you yourself ever had a doctor like this?

 - They don't give you a chance to tell them exactly what your trouble is They don't take enough personal interest in you They don't give enough free time to people who need it
 - Doctors like to give you neddine even if you don't need it Doctors don't like to get other doctors' opinions about a condition Doctors give better care to their regular patients than to people they
 - does!! know so well don't know no well They don't tell you the things you ought to know Doctors don't set appointments right-you have to wait too long to sec
 - then Dactors want you to come back for additional visits even if you don't
 - need to Doctors are more interested in making a lot of money than in finding
 - out what is really wrong with you 11. Dectors hurt you when they examine you and make you feel worse them
 - when you came in Dectors take advantage and charge you more than they should 12. Dectors are too old fashloned and don't keep up with modern medicine Dectors work too fast and make mistakes in finding out what's wrong
 - 14. Doctors aren't careful and sentle enough when they examine you
- ∏Heat Some ||Hardly any Elben't know Dires FIRe Open't know

1... 1. 1.-1... the fact five years or so, have you received any care or treatment at any offinic or modical century.

Chair Bina Binatt tree. THE TO THE BUILDING ASK FOR & . As it a public or private one? . ----- classic entirely satisfied with the care and treatment they gave you, or work there care things no

Distinct, satisfied | Bot satisfied | Closet know

to the troublet that was the troublet

:.. "If Types ,d. Know geer had an experience with a public clinic which game you a pear opinion of that survices the total control of the co

IF THE LOT AND MAIN & MAN Change, child Coner relative Officed Cother impecify! Change know

is ,as proceedy know, some dectors are hired by groups or dualsess firms, to practice modification on a satisfied is just providing know, some dectors are sired by groups or qualisons tires, to practice modificate on a successful. From what you've read or means, do you think most doctors who work for a salary arm likely. Let from

There are party force can be seen as private soctors who work for a saint was a stoctors who work for a saint was a sprivate soctors who charge fees?

Desite | Young | Jacobs the same as private soctors who charge fees?

1. IF recorded the recorder is what way do they treat their patients (better, worse) them private ducture? 14. Now ind like to read you come things people sometimes dislike about public clinics. For which can, its like you

Check for each statement:

□Not true

Don't know

in tell to whether you take it is generally true or not true about public clinics. A. The dictors are not as experienced or well trained ice, are too busy to give you personal attention Inc. ares's concerned about the potient's feelings

i. To, now to wait a long time until a doctor seen you to, now to east a rong time units a unclus as

The doctors don't try hard enough occase you don't pay them for their They're not as considerate or gentle when they examine you They re not as consequents or gentle ener they continue you make you feel as if they are doing you a fewer to bee you

is a substance, the Public Heafth Service carries on neveral different kinds of programs—like minules on illes, and for cultaing new horpitals, and helping commerties with their health proplems. Arm you exiting Tollery, and for corresing men activities, the melping communities with their health problems. Arm your nutriesty castiffer with the job now being does by the public health people, or are there seen things you find they Glob rettery ⊟Continely satisfied □Could do metter □Domit know

"TOUGH OF SETTEMS: That are some of the things you think they could do?

in . One type are some different statements about the government and health. Ind like you to fulf me whether you arreg or dispersion of the section o A. The peoplets health is no business of the government

til tectors should work for the government and se poid a salars The government should test all men veccines and medicines for safety

to programment should test all men veccions and heuldines for surety to fine journment should not provide free doctoral services for the needy The government should not set up its our laboratories for research Check for each statement: The parent and afternorm to set up its der reservers for reserver ing parent should not provide my health insurance for the people to Di angree

The DA, for waster and megative cline.

The government should give private buspitals and universities money for Clon t know The jovernment abouts make studies and publish information on the na-tion's health

: ". It journight expect, the Public Mealth Service Cereal learn all they need to know about health in the nation To public questions, for some inlags they need actual seguress and tests. Now do you talk whether outs by unking systems. Far some things they need actual measurements and lests. Now do: you tailor described to be some all feel score helping on that part of the derivay—well they certainly come, promobly down or

is a fit of you correct are asses to come for the tests and measurements part of the nurvey, will you certainly you payself are asked to come for the tests and measurements payt of to "The property come, or propedly not come?"

[Protection of the Company come of the Company Company company come of the Company com " My is that?

Defore your decided on coming, would you have any questions about the tests you'd want to find out about? Fires Die Dienst keen A. II "YES": Shet are they A. What nort of touth do you taink they would give you? (Any others?) II. is there anything you'd especially like them to thick about your own health? C. In there seething spale cather than six on the in such as expellention A. If you know that your own doctor upproved of your coning, would you be mern likely to come, would you be less likely to come, or souldn't it make any difference in your coming for the tests and measurements? Chock for each mentions ii. If you know the local medical society approved of your coming, would Mare Hikely you be more likely to come, sould soo be test likely to come or These likely wouldn't it make you difference in your coming for the examination? Die difference C. How shout your religious savigor-If he approved, would you be sore Direct kerse 11 ke by to como? D. How shout the local soweneser or rotlo-TV statios-if they approved. would you be more likely to come?

E. Dell. If your capacito or friends manning, would you be nore likely 52. In planning for the tosts, we are interested in finding out what arrangements will make it camber for the greatest number of people to come. I am going to read you some of the different ways the exercan be arranged and for much one I would like you to tell no If you will containly come, If you will probably come, or if you probably won't come. The first one is |read A-|). If It is given at: A place just 5-10 minutes from your home
 A place just (9-20 minutes from your home 3. A place on hour from your home I. What If It Is given on a morning during the week 2. On an afternoon during the week 5. On an evening during the week On a Saturday morning 5. Un a Saturday afternoon C. I. If your taxiosh fere is said 2. If a beby sitter were paid for when seeded If you were said for the time seems at the examisation i. Mint if it was at a houghtal or medical center 2. If it was at a shursh or school Chark for each arrangement: At a special trailer unit parked outside Dvill certainly cons 4. At a local dector's office DWIII protectly come E. I. If your own doctor gave the exon
2. If name other focal doctors gave the exam Directory won't come Diet segroodate If some conclatints approved by the American Medical Asso-Filliant's know clation gave the exam F. I. If the exam took only about half as hour If the exam took about an hou If the exem took on hour and a half If a second visit were also necessary to get a nore obsnieto oren G. I. If all the grownups In your home were offered the exam 2. If the children were also offered the exem 3. If only you were selected for the exam II. |, If you ware asked to undress completely if you were asked to undress above the waist
 if you could ween a coverall goes I. Would may (other) arrangement make it imprel possible for you to come? □Yes □No □Denit know IF WYESU: What is that?

Yow here are just a few different questions and world be through.

5.5. Before the Consus Interviewer maked you about your own health—had you over been interviewed sefore? \[\textstyre \]
34. Her important do you feel it is for people to cooperate on opinion surveys such so talk, very important, fairly leportant, or hardly important at oil?
"There important "[Rairly Important District Important Di

55. And in what countries were your parents torm?

Mg ther____

Pathor______Time begin:______Time finished._____



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